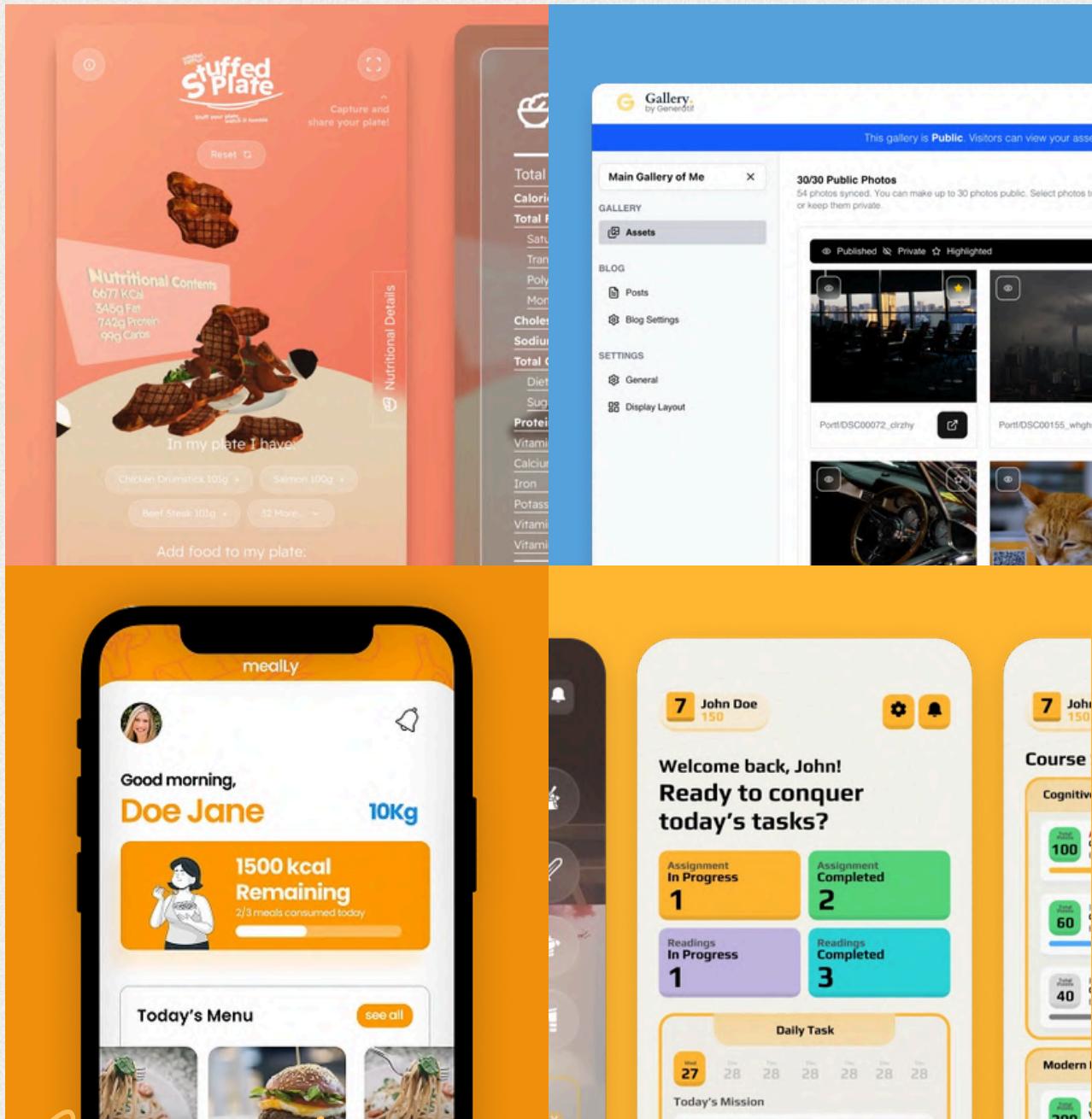


# PORTFOLIO<sup>25</sup>



Naufal Fathur  
NAUFAL FATHUR

SOFTWARE  
DEVELOPER

 naufalfathur.is-a.dev



## ABOUT ME

Creative technologist with 3+ years in UI/UX and software development, and 5+ years in graphic design and multimedia. Passionate about crafting inclusive digital experiences. Currently pursuing an MSc in Innovation Management at the University of Manchester, with a background in Software Engineering.

 naufalfathur@gmail.com

 naufalfathur.is-a.dev

I always strive to deliver my best



## Experiences

**2022/PRESENT**  
Generatif.co  
**Co-Founder / Digital Transformation Consultant**

**2021/2024**  
TDCX Malaysia  
**Front-End Developer @Google Tag Team**

**2021/2021**  
Huacomm Telecommunications  
**Software Developer (Full Stack) Intern**

## Education

**2024/2025**  
University of Manchester  
**MSc Innovation Management and Entrepreneurship (1st Class)**

**2017/2021**  
Universiti Putra Malaysia  
**Bachelor of Software Engineering, 2:1 (Hons.)**

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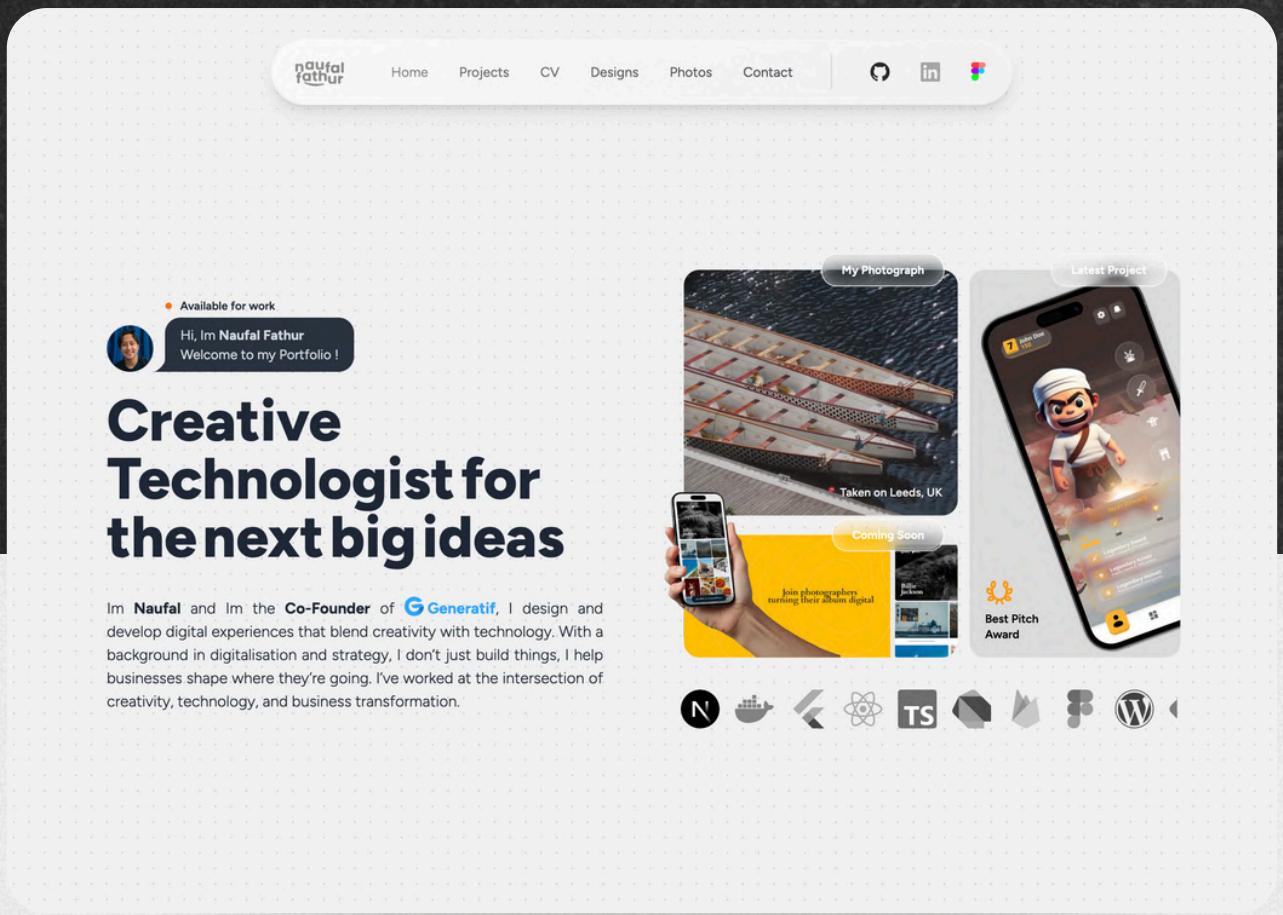
# PROJECTS

A selection of my highlighted projects, **not a full list and not shown in full detail.**

For complete project write-ups, visit my portfolio: [naufalfathur.is-a.dev](http://naufalfathur.is-a.dev).

# naufalfathur.is-a.dev

## Portfolio website



The screenshot shows the homepage of the portfolio website. At the top, there is a navigation bar with links to Home, Projects, CV, Designs, Photos, and Contact, along with social media icons for GitHub, LinkedIn, and a custom icon. Below the navigation, a large section features a portrait of the developer and a welcome message: "Hi, I'm Naufal Fathur. Welcome to my Portfolio!". It also includes a "Available for work" badge and a "Coming Soon" message. The main headline reads: "Creative Technologist for the next big ideas". Below this, a paragraph describes the developer's background and work philosophy. To the right, there are two mobile phone mockups: one showing a photograph of a boat and another showing a game or application interface with a character. At the bottom, there is a row of technology-related icons.



[View full portfolio](#) 

stuffed-plate

A web-based 3D food plate app to visualize, track, and share nutritional information of meals.

Seach your food

Beef

Beef / 101g

Beef Steak / 101g

Beef Steak Meal / 101g

Add foods to your plate, then watch them appear instantly in 3D.

View a clear breakdown of calories and nutrients for each item, plus totals for your entire plate.

Snap and share your plate.



PWA Support

**Access anywhere, install instantly.**

Access your plate from any device, anywhere, and install it for instant, app-like experience without downloads.



stuffed  
S Plate

Capture and share your plate!



Nutritional Contents  
6677 Kcal  
745.4g



#### Background & Motivation

Many people struggle with understanding the nutritional content of their meals and often find traditional tracking apps boring. Additionally, I wanted to explore modern web 3D capabilities using Three.js and see how immersive visualisation could enhance everyday tools.

StuffedPlate was created to solve this by providing a visually appealing and interactive platform where users can assemble meals on a 3D plate, instantly see detailed nutrition information, and share their creations with friends. The idea started as a personal experiment on Three.js but evolved into a full-fledged interactive experience demonstrating real-time data integration, 3D rendering, and PWA capabilities.

#### Key Features

##### Interactive 3D plate

Foods are rendered as 3D objects or text. Users can rotate, zoom, and inspect their plate visually.

##### Nutrition insights

Total and individual meal nutrients are calculated in real-time using data fetched from the FatSecret API. Supports macro and micro nutrients.

##### Capture & share

Screenshots of the plate can be taken and shared via mobile sharing APIs or downloaded.

##### Progressive Web App (PWA)

Fully accessible from mobile and desktop, with installable capability for offline use.

# Stuffed Plate

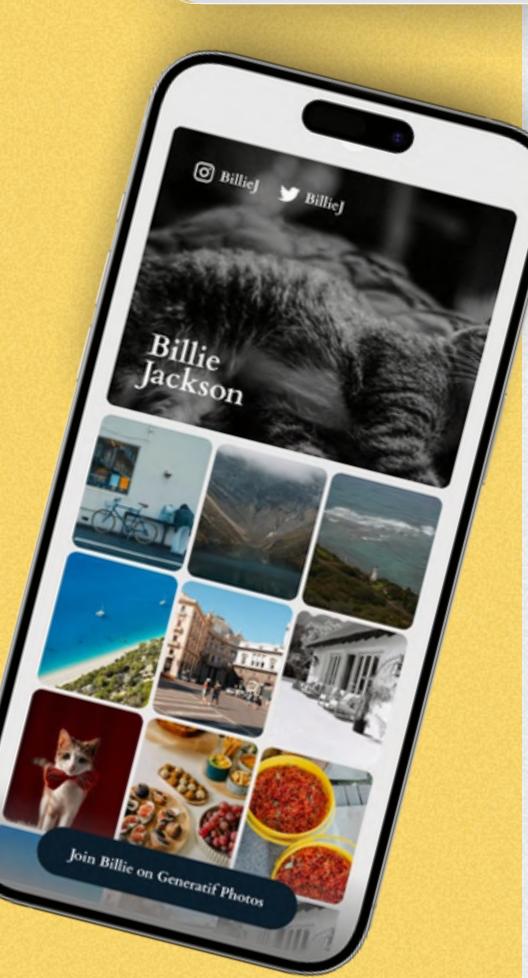
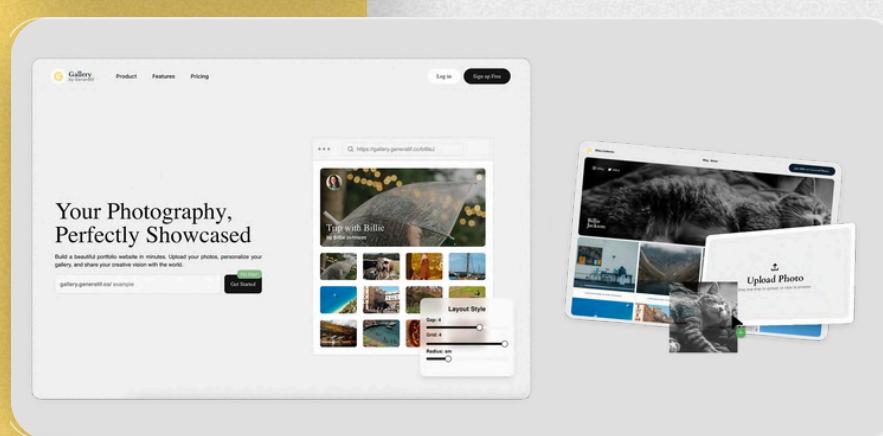
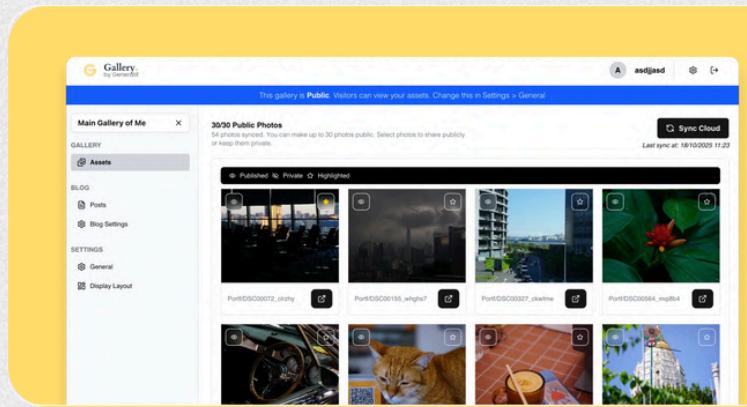
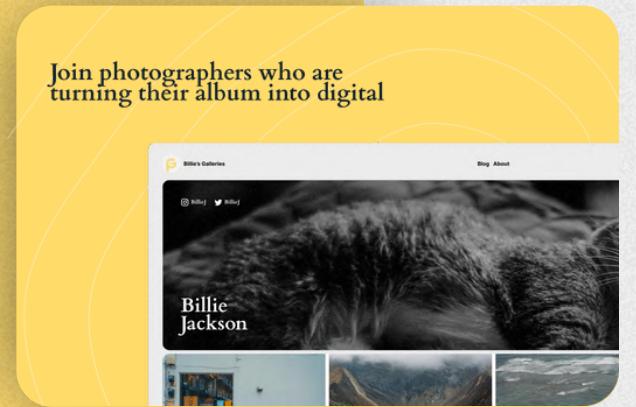
## Interactive 3D Meal Tracker

[naufalfathur.is-a.dev/project/stuffed-plate](http://naufalfathur.is-a.dev/project/stuffed-plate)

naufalfathur

## gallery

A platform that empowers photographers to build, customize, and publish stunning online portfolios, all without writing a single line of code



### Background & Motivation

As creative professionals, many photographers struggle with maintaining a personal website, dealing with complex tools like WordPress, expensive website builders, or manual hosting setups. This project was created to solve this problem by offering all-in-one, code-free portfolio builder that connects directly to a user's existing Cloudinary library, with beautiful, fast, and configurable interface that makes it easy to present photography work online.

### Techstacks

#### Frontend:

**React** (with TypeScript), for robust, type-safe UI development.

**Vite**, chosen for its blazing-fast build times and modern ES module support.

**TanStack Router**, file-based routing with data loaders and layout nesting, providing a clean separation between authentication, dashboard, and public gallery routes.

**Tailwind CSS v4**, for utility-first styling, now with native CSS variables and zero-config setup.

**shadcn/ui**, for accessible, themeable UI primitives (forms, modals, toggles, etc.).

#### Backend:

Built entirely on Appwrite, which serves as the unified backend platform for authentication, database, and serverless functions. All backend logic is powered by Node.js functions deployed within Appwrite, handling Cloudinary synchronization, API validation, and data management.

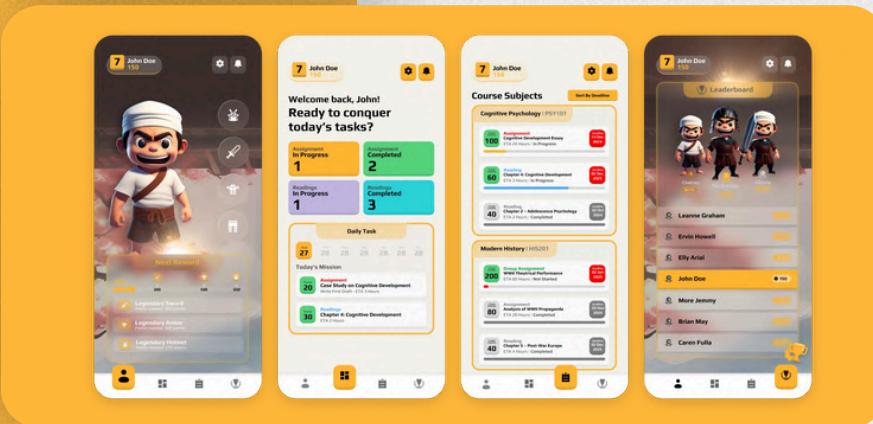
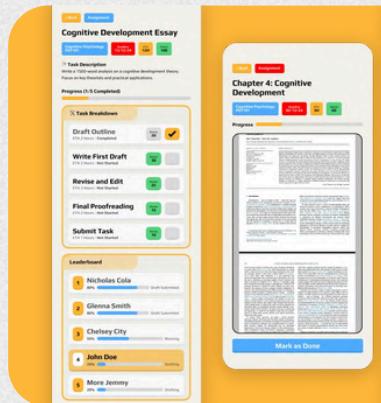
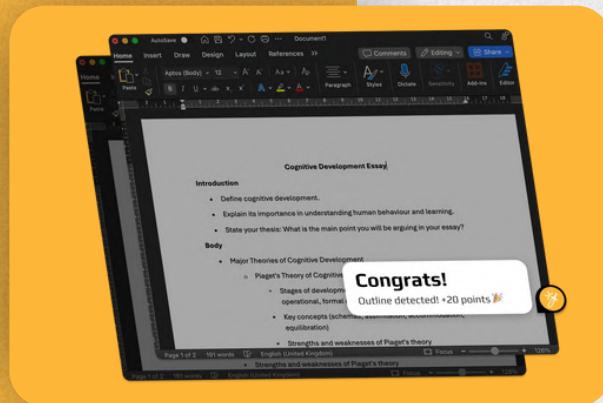
# Gallery

Photographer Portfolio Builder

[naufalfathur.is-a.dev/project/gallery](https://naufalfathur.is-a.dev/project/gallery)

naufalfathur

A gamified productivity app designed to help students tackle tasks, improve time management, and stay motivated in a fun, interactive environment.



# TASKNINJA



## Project Background

TASKNINJA was developed during my Master's degree as a startup concept to address the common challenge of student time management and task completion. The project aimed to transform academic tasks into a motivating, game-like experience, combining productivity strategies with engaging digital design. As project lead, I oversaw ideation, product strategy, market research, business planning, finance, and user testing, ensuring the app solved real student productivity challenges while being commercially viable. I also handled prototyping, branding, and UI/UX design using Figma, delivering a cohesive and engaging experience.

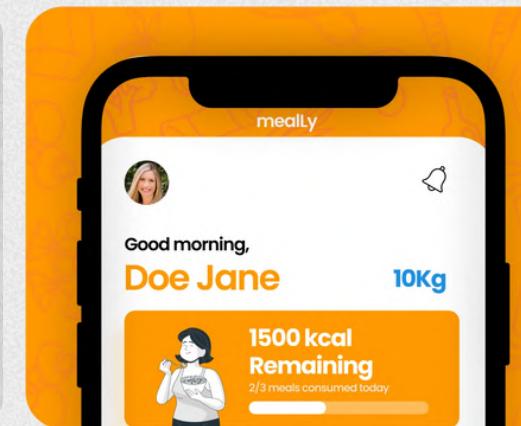
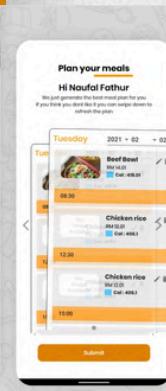
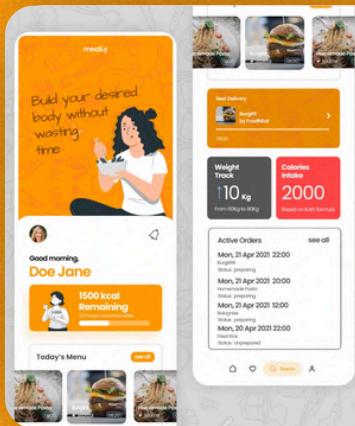
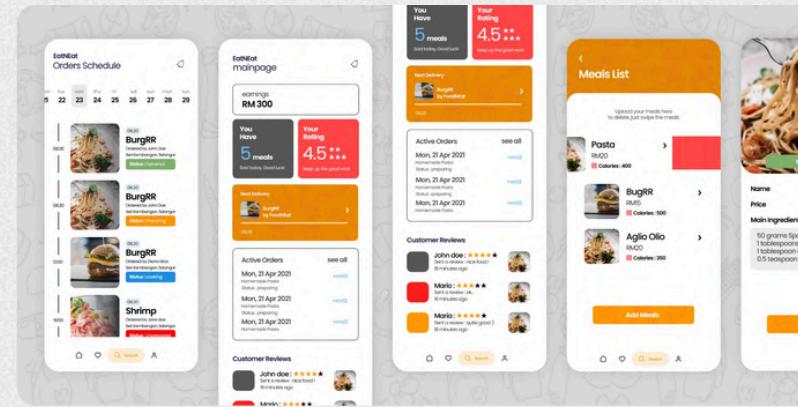
## Results

The result was a measurable impact: an 80% improvement in productivity and time management, alongside a 60% increase in task completion and motivation. TASKNINJA also received recognition for its innovation, winning Best Pitch at the High Tech Entrepreneurship Annual Competition at the University of Manchester.

**TaskNinja**  
Student's Productivity game  
changer  
[naufalfathur.is-a.dev/project/taskninja](http://naufalfathur.is-a.dev/project/taskninja)

meally

A personalized meal-planning and ordering mobile app that automatically calculates calorie intake and generates meal plans, designed for busy people who still want to eat healthy



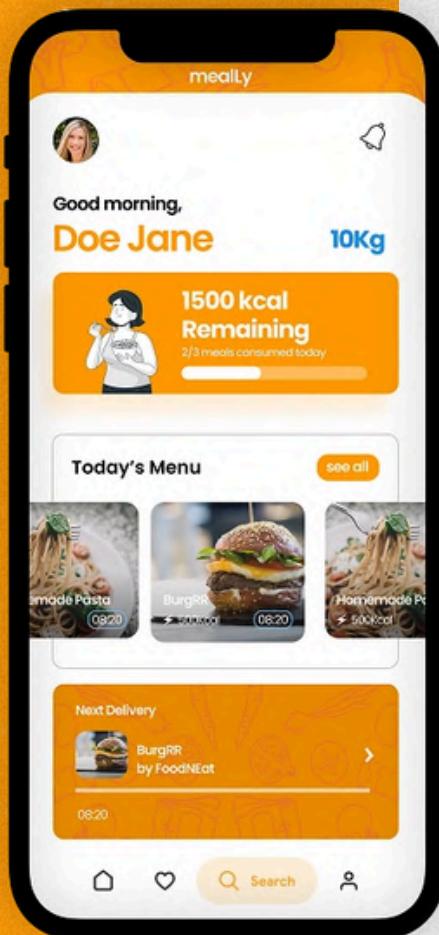
#### Project Background

Meally was developed as my Final Year Project, aimed at solving a common modern dilemma, how to maintain a healthy diet when time and knowledge are limited. Research showed that while most people understand the importance of nutrition, many fail to apply it due to time constraints, lack of dietary knowledge, and limited access to healthy yet convenient meal options. The idea behind Meally was simple: make balanced eating as fast and accessible as fast food. By integrating nutrition tracking, restaurant data, and automated meal planning, the app helps users eat well without sacrificing productivity or convenience. The project was later shortlisted as a finalist in the IEEE Young Professional Malaysia - 5 Minutes Final Year Project Competition.

#### Key Features

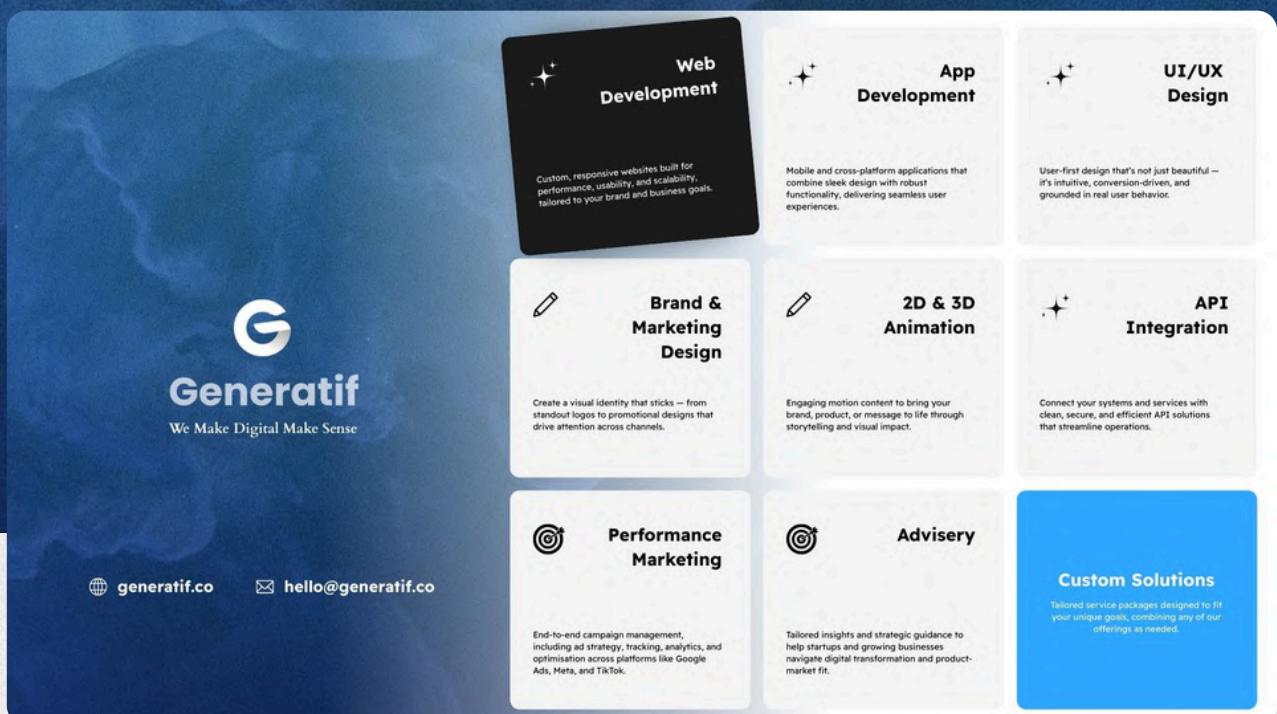
Built with Flutter for cross-platform compatibility and Node.js with Firebase Firestore for backend and database management, Meally combines personalized health tracking with seamless food ordering. Users begin by entering their basic information such as weight, height, and dietary goals (gain, lose, or maintain weight). The app then automatically calculates the user's calorie intake needs and generates a daily or weekly meal plan tailored to that profile.

Each meal recommendation is linked to partner restaurants near the user's location, allowing them to order directly through the app. To streamline the process further, Meally includes a one-time order system, enabling users to pre-order meals for an entire day or week in a single transaction, reducing both decision fatigue and ordering time.



**Meally**  
Meal Planning and Ordering  
Mobile App  
[naufalfathur.is-a.dev/project/meally](http://naufalfathur.is-a.dev/project/meally)

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The image shows a screenshot of the Generatif website. The header features a large, stylized 'G' logo and the word 'Generatif' in a bold, sans-serif font. Below the logo, the tagline 'We Make Digital Make Sense' is displayed. The website has a dark blue background with white and light blue sections. On the left, there's a sidebar with contact information: 'generatif.co' and 'hello@generatif.co'. The main content area is organized into a grid of service cards. The cards include:

- Web Development**: Custom, responsive websites built for performance, usability, and scalability, tailored to your brand and business goals.
- App Development**: Mobile and cross-platform applications that combine sleek design with robust functionality, delivering seamless user experiences.
- UI/UX Design**: User-first design that's not just beautiful — it's intuitive, conversion-driven, and grounded in real user behavior.
- Brand & Marketing Design**: Create a visual identity that sticks — from standout logos to promotional designs that drive attention across channels.
- 2D & 3D Animation**: Engaging motion content to bring your brand, product, or message to life through storytelling and visual impact.
- API Integration**: Connect your systems and services with clean, secure, and efficient API solutions that streamline operations.
- Performance Marketing**: End-to-end campaign management, including ad strategy, tracking, analytics, and optimisation across platforms like Google Ads, Meta, and TikTok.
- Advisory**: Tailored insights and strategic guidance to help startups and growing businesses navigate digital transformation and product-market fit.
- Custom Solutions**: Tailored service packages designed to fit your unique goals, combining any of our offerings as needed.

I also run a small agency that help your business into digital

For more info [\[link\]](#)

naufal  
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naufalfathur.is-a.dev



naufalfathur@gmail.com