

KARTHIK MANDA

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[LinkedIn](#) | [Portfolio](#) | [GitHub](#)

PROFILE

Computer Engineering undergraduate at Nanyang Technological University with experience spanning full-stack development, UI/UX design, and visual design. Comfortable translating product requirements into clean, implementation-ready solutions, with strong attention to usability, structure, and maintainability. Brings engineering discipline to design decisions and design thinking to technical execution.

EDUCATION

Bachelor of Computer Engineering

Nanyang Technological University (NTU), Singapore | 2024–2028

SKILLS

Technical: Java, Python, JavaScript, C, C++, HTML, CSS, React, REST API Integration.

UI/UX & Product Design: User Research, User Flows, Wireframing, Prototyping, Interaction Design, Accessibility (WCAG), Responsive Design.

Visual & Creative Design: Poster Design, Typography, Layout Design, Visual Hierarchy

Tools: Figma, Adobe Photoshop, Canva, Git, GitHub, Netlify, Vercel.

PROJECTS

ParkLah — Full-Stack Parking Locator Application | React, TypeScript, PostgreSQL

- Built a full-stack application that identifies nearby carparks based on user location
- Integrated external APIs for map-based search and parking recommendations
- Structured frontend and backend layers for scalability and maintainability

StudyHavn — Study Space Discovery App | UI/UX Design | Figma

- Designed end-to-end user flows, wireframes, and high-fidelity prototypes
- Built a reusable design system and iterated designs through usability testing

SCDF Risk Analysis Dashboard — Hackathon Project | UI/UX & Data Visualization | Figma

- Designed a dashboard interface to surface risk indicators for rapid decision-making
- Applied information hierarchy and visual cues to support clarity under time pressure

Portfolio Website | React, HTML, CSS | Deployed on Netlify

- Developed a component-based frontend with responsive layouts
- Deployed production builds using GitHub-based version control

EXPERIENCE

National Serviceman Technician | Singapore Armed Forces | Jan 2023 – Aug 2024

- Worked in high-accountability environments requiring precision, documentation, and procedural compliance

CERTIFICATIONS

UI/UX Design (CalArts) | UX Research (UMich) | Web Design (UMich) | Cisco CCNA

LEADERSHIP

CCDS Events Committee (Programs Planner) | NTU Indian Society (Logistics)