

# M Dhanush

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🐙 GitHub

🌐 LinkedIn

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## Education

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Vellore Institute of Technology, Amaravati

2021 - 2025

B.Tech in Electronics and Communication Engineering

Relevant Coursework: Data Structures, Algorithms, Web Development, Software Engineering

## Work Experience

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Web Development Intern | Oasis Infobyte, India

Aug 2024 - Sep 2024

- Developed a full-stack pizza ordering platform using the MERN stack, Vite, and Razorpay.
- Built a custom pizza builder, AI-generated images, authentication, and an admin dashboard.
- Integrated RazorPay for secure payments and optimized UI/UX.
- Designed RESTful APIs for handling orders, authentication, and stock updates.
- Earned a **Letter of Recommendation** for technical excellence and problem solving.

Web Development Intern | Ethnus, India

Aug 2023 - Nov 2023

- Designed and developed front-end components for a fitness website using React and Bootstrap.
- Collaborated with a team of five developers to optimize UI/UX and user engagement.

Android Development Intern | SmartInternz, India

Aug 2023 - Nov 2023

- Led the development of **Snack Squad**, a Jetpack Compose-based Android snack delivery app.
- Designed an intuitive ordering system, improving usability and accessibility.

## Technical Skills

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- **Languages:** JavaScript, TypeScript, Python, Kotlin, C++
- **Frontend:** React.js, Next.js, Redux, Zustand, TailwindCSS, Bootstrap
- **Backend:** Node.js, Express.js, Prisma, MongoDB, Postgresql, REST APIs
- **Mobile:** Jetpack Compose, Kotlin
- **Testing & Tools:** Jest, Git, GitHub, Webpack, Vite, npm

## Projects

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Modern Discussion Platform (Full-Stack)

GitHub

- Developed a high-performance discussion platform using **Next.js 15**, **NextAuth.js**, **Prisma**, **PostgreSQL**, and **TailwindCSS**.
- Implemented **nested comments**, **real-time updates**, **hybrid rendering (SSG, ISR)**, and **secure authentication (OAuth, credentials)**.
- Optimized performance with **caching strategies**, **request memoization**, and **efficient Prisma queries**.
- Integrated **Zod validation** for robust data handling.
- Built as part of **Next.js course by Stephen Grider**.

Pizza Delivery (Full-Stack)

GitHub

- Migrated an existing **Vite-based project** to **Next.js**, improving **SEO**, **SSR**, and **performance**.
- Implemented **OAuth authentication** via **NextAuth** and optimized state management using **Redux** and **Zustand**.
- Enhanced user experience with an intuitive UI and efficient backend processing.

Face Recognition Brain (Full-Stack)

GitHub

- Built a face recognition web app using **React.js**, **Node.js**, **Express.js**, and **PostgreSQL**.
- Integrated the **Clarifai API** for AI-based face detection.
- Implemented secure user authentication using **bcrypt** and optimized API responses.
- Designed a modern, fully responsive UI for seamless usability.
- Developed as part of **ZTM Academy course by Andrei Neagoie**.

## Leadership & Achievements

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- Led the Android Development Team at SmartInternz for the Snack Squad project.
- Earned a **Letter of Recommendation** for technical excellence and problem solving.
- Selected for the **VIT-AP University Chess (A) Team**.