

# Mahesh Kunwar

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🐙 github | 🔗 linkedin | 🌐 portfolio

## Profile- Summary

Results-driven Full Stack Developer passionate about problem-solving, building scalable applications, and optimizing performance. Seeking a Full Stack Developer or Junior AI Developer role to showcase my skills and contribute to innovative, data-driven projects.

## Skills

**Frontend:** HTML, CSS, JavaScript, React, TypeScript, Next.js, Tailwind CSS

**Backend:** Node.js, Express.js, Python

**Database:** PostgreSQL, MongoDB

**Tools & Deployment:** Docker, GitHub Actions (CI/CD), AWS, Ubuntu, NGINX, Vercel, Render

**Other Skills:** RESTful APIs, Authentication (JWT, OAuth, Clerk), Redux Toolkit, Git/GitHub, Postman, WebSockets

**AI Tools:** LangChain, LangGraph, OpenAI Agent SDK, VectorDB (Qdrant, Pinecone), Prompt Engineering

## Work Experience

**Dented Code Academy, Sydney, NSW (traineeship)**

Nov 2024 - Feb 2025

### Full Stack Developer

- Developed and maintained full-stack web applications using the MERN stack, ensuring scalable and efficient performance.
- Implemented secure authentication and authorization with JWT and OAuth, enhancing access control and data protection.
- Designed optimized database schemas and queries for MongoDB and MySQL, improving data retrieval efficiency.
- Built CI/CD pipelines for automated deployment and integrated AWS EC2 and S3 for scalable hosting and storage solutions.
- Collaborated with UI/UX designers to create responsive and user-friendly interfaces using React and React Bootstrap.
- Git, CI/CD, AWS (EC2, S3), MongoDB, Node.js, Express.js, React, Redux Toolkit, RESTful APIs, JavaScript (ES6+).

## Project Work

- Personalized E-learning Management System (MERN Full-Stack)**
  - Developed a personalized e-learning platform with AI-driven course recommendations.
  - Implemented authentication and role-based access using JWT and bcrypt.
  - Designed an interactive UI using React, Tailwind CSS, and ShadCN components.
  - Built a recommendation system using TensorFlow.js to suggest courses based on user behavior.
  - Integrated PayPal for secure payment processing and subscription management.
  - Used MongoDB for efficient data storage and retrieval.
  - Tools:** MERN stack, PayPal, TensorFlow.js, Tailwind CSS, Render, Vercel
- E-commerce Platform (MERN Full-Stack)**
  - Designed a full-stack e-commerce application with secure authentication and payment processing.
  - Built a responsive frontend using React and Tailwind CSS, and developed backend services with Node.js and Express.js.
  - Integrated Stripe for payments, Cloudinary for media storage, and MongoDB for database management.
  - Deployed on AWS EC2 and S3, containerized with Docker, and automated workflows using GitHub Actions.
  - Added AI-powered chatbot functionality using OpenAI SDK to enhance user experience.
  - Tools:** React, Node.js, Express.js, MongoDB, Tailwind CSS, OpenAI SDK, AWS (EC2, S3), Stripe, Docker, GitHub Actions, Cloudinary, Redux

## Education

**Kings Own Institute, Sydney**

Bachelor of Information Technology (specialization in software Engineering)

Mar 2022 - Feb 2025

**Dented Code Academy, Sydney**

Full Stack Development Bootcamp

Nov 2024 - Feb 2025