

AKASH TAYADE

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Education

Yeshwantrao Chavhan College of Engineering, Nagpur

- *Btech (Electronics Engineering), CGPA: 8.60*

2022 - 2026

(expected)

Dharampeth M.P. Deo Memorial Science College, Nagpur

- *HSC (Class XII), Percentage: 92.83*

2019 - 2021

Mount Carmel English High School, Akola

- *SSC (Class X), Percentage: 90.20*

2006 - 2019

About Me

Full-stack developer specializing in **MERN stack** applications with expertise in **REST API development**, **responsive UI design**, and **secure payment gateway integration**. Proficient in **JavaScript**, **React**, **Node.js**, **Express**, **MongoDB**, and **Tailwind CSS**, with experience in **state management (Jotai)**, **JWT authentication**, and **deployment**.

Skills

JavaScript | ReactJS | TailwindCSS | NodeJS | ExpressJS | MongoDB | SQL | Java | Python | C++ | Git & GitHub

Projects

Manabu — Full-Stack Course Selling App (*GitHub: <https://github.com/akash2003git/manabu>*)

MERN-stack e-learning platform enabling users to browse, purchase, and access courses with **secure Stripe API integration**.

- Developed **responsive frontend** with React and Tailwind CSS, ensuring optimized performance across devices.
- Built and consumed **REST APIs** with Node.js & Express, implementing **JWT authentication** and **role-based authorization**.
- Integrated **Stripe payments** with webhook handling for real-time purchase confirmation and course access.
- Designed a complete **admin dashboard** for course management, order tracking, and user administration.

Yelp Camp — Full-Stack Campground Review Platform (*GitHub: <https://github.com/akash2003git/yelp-camp>*)

Web application for managing campground listings and reviews, built using **Node.js**, **Express.js**, **MongoDB**, **Bootstrap 5**, and **EJS**.

- Implemented **CRUD operations** for campgrounds and reviews with form validation and error handling.
- Developed **user authentication and authorization** workflows using Passport.js for secure access.

Automated Road Extraction System (*In Progress*)

AI-powered MERN web app for automated road network extraction, change detection, and monitoring from satellite imagery.

- Creating **interactive dashboards** with React and Tailwind CSS for AOI selection and map visualization.
- Integrating **Deep Learning models (U-Net)** for satellite image segmentation and **geospatial databases (PostGIS)** for backend data storage.

Extracurricular Activities

Attended a workshop hosted by Shivam Joshi, Founder and Executive Director of Codons, focusing on the fundamentals and applications of Generative AI.

Hackathon: MovieBox Project

Participated in a hackathon organized during the Generative AI VAC, collaborating with a team to develop *MovieBox*, a machine learning-based movie recommendation system.

Additional Certifications

- Python Mega Course: Learn Python in 60 Days, Build 20 Apps [Udemy]
- The Web Developer Bootcamp 2024 [Udemy]

Dec 03, 2025

Apr 25, 2025