

Akash Patil

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Education

Veermata Jijabai Technological Institute (VJTI), Mumbai, Maharashtra Bachelor of Technology (B.Tech) in Computer Engineering	2024 – 2027
Veermata Jijabai Technological Institute (VJTI), Mumbai, Maharashtra Diploma in Chemical Engineering, Percentage: 97.21%	2021 – 2024
Don Bosco High School, Kalyan, Maharashtra SSC, Percentage: 88.60%	2020 – 2021

Technical Skills

Programming Languages: JavaScript, C++

Frontend: React.js, Tailwind CSS, HTML, CSS

Backend: Node.js, Express.js

Databases: MongoDB, SQL, MariaDB, Redis

Tools & Platforms: Docker, Git, GitHub

Projects

LeetCode Platform with AI Assistant

HTML, CSS, JavaScript, React, Node.js, Express.js, MongoDB, Redis, Judge0, Gemini AI, Cloudinary

- Full-stack web platform for solving coding problems with live code execution via Judge0 API.
- Integrated Gemini AI to provide personalized hints, debugging assistance, and solution explanations, improving user learning efficiency.
- Integrated Monaco Editor to deliver a custom code editor with syntax highlighting and multi-language support.
- Provided video solutions for coding problems via Cloudinary, enabling users to learn through clear visual explanations.

Employee Task Management System

HTML, CSS, Tailwind CSS, JavaScript, Node.js, Express.js, MongoDB

- Built a modern web application to manage employee tasks with dynamic status tracking (New, Active, Completed, Failed), delivering a seamless user experience through React hooks and Tailwind CSS.
- Implemented an intuitive admin panel enabling task creation and assignment to employees, improving team productivity and operational efficiency.
- Implemented secure user authentication and role-based access control to protect sensitive data.
- Applied modern development practices like component reusability and efficient state management to streamline future scalability and maintenance.

Blog Platform

HTML, CSS, JavaScript, React, Tailwind CSS, Appwrite

- Developed a blogging platform enabling users to write, edit, and publish posts securely.
- Integrated Appwrite BaaS for user authentication and database management.
- Implemented a markdown editor using TinyMCE to enable rich text formatting and an enhanced writing experience for blog posts.

Academic and Extracurricular Achievements

Line-Following Robot: Built and programmed a line-following robot using IR sensors and C++, gaining hands-on experience in robotics and participating in a college-level competition.

Sponsorship Head: Led sponsorship activities as Sponsorship Head, raising over 2.5 lakh in funds and building partnerships for various technical events.