

RIDHESH ANIL MAHAJAN

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SKILLS

Frontend: React, Next.js, TypeScript, HTML5, CSS3, Tailwind CSS, JavaScript (ES6+), Vite, Framer Motion

Backend: Node.js, Express, Fastify, Python (FastAPI), REST API

Database: PostgreSQL (Neon), MySQL, MongoDB

DevOps/Cloud: AWS, Vercel, Render, Docker

Testing: Jest, Supertest, k6

Tools: Git, GitHub, Jira, Miro

Experience

MERN Stack at UptoSkills [Intern] | *node.js, react.js, next.js, neon database*

Mar-2026 to August-2026

Project: AI-Tutor : Developed backend APIs for AI-Tutor (LMS) using Node.js + PostgreSQL, serving 500+ users. - Implemented Zod schema validation, reducing API errors by 40% and improving data integrity. - Built admin backend panel with RBAC, enabling secure user management for 3 roles (Admin/Teacher/Student). - Designed security middleware & JWT authentication, eliminating unauthorized access in penetration tests. - Collaborated in a 5-member Agile team, contributing 15+ PRs (95% merge rate) and reviewing 10+ peers' code. - Integrated Firebase Google OAuth, increasing user sign-ups by 25%. Tech Stack: React, Next.js, Node.js, Express, PostgreSQL (Neon), Firebase, Python (FastAPI), Google Gemini

PROJECTS

ProctorFlow | *Exam System*  (Host)  (GitHub)

2025-2026

- ProctorFlow [Exam Portal] is a comprehensive online examination platform featuring real-time proctoring, AI-powered assessment tools, and advanced capabilities like facial recognition and live code editing. It provides seamless assessment management with secure administrative controls, live video monitoring, and a dynamic student interface.
- Tech Stack Backend: Built with Node.js and Express, utilizing MySQL for reliable data persistence and integrating AI SDKs (Google Gen AI, Groq) alongside real-time Socket.IO communication.
Frontend: Developed using React and Vite, featuring rich interactive elements like Monaco Editor, Framer Motion, Recharts, and WebRTC (simple-peer) for live proctoring and face tracking (face-api.js).
Infrastructure & Tools: Employs robust authentication (JWT, bcrypt), secure file processing (Multer, Tesseract.js, Mammoth), automated Cron jobs, and K6 for backend load testing.

CrewFlow | Intern Management 

2026

- CrewFlow is a comprehensive, hierarchical operations platform designed to streamline internal workflow, automate attendance tracking, and facilitate task delegation. It features a robust 5-tier role-based access system with interactive dashboards tailored to Admins, Team Leads, and Interns.
- Tech Stack
Frontend: Built with Next.js 16 (App Router) and Tailwind CSS v4, utilizing Shadcn UI and Framer Motion for a highly responsive, modern interface.
Backend: Powered by Node.js and Fastify for high-speed, low-overhead RESTful API routing and secure JWT authentication.
Database: Structured with a serverless Neon PostgreSQL database and managed via Prisma ORM to efficiently handle complex relational data and user hierarchies.

CERTIFICATIONS |

AWS Cloud Academy (ACOS) – Cloud Academy

Advanced cloud training covering AWS services, deployment models, security, and cloud operations at scale.

Microsoft Azure | Power BI | ML & AI – Microsoft Elevate

Hands-on training in Azure cloud services, data visualization with Power BI, and fundamentals of Machine Learning & AI.

GeeksForGeeks – Node.js, React.js, Next.js, MongoDB, DSA, Git, Github Django

Course and Video Modules Completed with MCQ and Coding Contest

WNS – Career Readiness | Soft skill

EDUCATION

B.Tech in Computer Engineering (CGPA:8.35)

Sep 2024 – Jun 2027

Deccan Education Society (DES Pune University), Pune, MH

Diploma in Computer Engineering (CGPA: 8.4)

Aug 2021 – Jun 2024

JSPM Bhivrabai Sawant Polytechnic College, Pune, MH