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PARAG MOHARE

B.E. Computer Engineering — Final Year

Portfolio
LinkedIn
GitHub

EDUCATION

A. P. Shah Institute of Technology, Mumbai University <i>Bachelor of Engineering in Computer Engineering</i>	2023 – Present
Dnyanopasak College of Arts, Commerce and Science <i>HSC (Higher Secondary Certificate)</i>	2022 State Board of Maharashtra
Jawahar Vidyalaya, Jintur <i>SSC (Secondary School Certificate)</i>	2020 State Board of Maharashtra

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, C++
Frontend Development: HTML5, CSS3, React.js, Next.js, Angular, Responsive Web Design
Backend Development: Node.js, Express.js, RESTful APIs
Databases: MySQL, PostgreSQL, Supabase
DevOps & Cloud: Docker, Kubernetes, Jenkins, CI/CD, AWS, GCP, Linux, Shell Scripting, Vagrant
Tools & Technologies: Git, GitHub, VS Code, Figma, WebSockets, Chrome APIs, Gemini Nano, Generative AI
Core Concepts: Data Structures & Algorithms, Operating Systems, DBMS, Software Engineering

PERSONAL PROJECTS

Diet Diary | *Node.js, Express.js, MySQL, HTML5, CSS3, JavaScript, Bootstrap, Chart.js* Nov 2024 – Feb 2025

- Designed RESTful APIs for user authentication and meal tracking with MySQL and Express.js.
- Integrated AI chatbot for personalized diet suggestions using external APIs.
- Built a responsive front-end with Chart.js visualizations using HTML, CSS, and JavaScript.

[GitHub](#)

AI Code Review Platform + Live Classroom | *Next.js, TypeScript, PostgreSQL, Ably, Gemini AI* Jul 2025 – Nov 2025

- Full-stack AI-powered code review platform with real-time collaborative coding classrooms, deployed on Vercel.
- Integrated Google Gemini AI for automated complexity analysis, bug detection, and smart-save enforcement.
- Engineered a real-time collaborative editor using pub/sub channels with role-based permissions and version-controlled synchronization.
- Designed JWT-based authentication system and PostgreSQL schema with optimistic concurrency control.

[GitHub](#) | [Live Demo](#)

ReMind Chrome Extension | *JavaScript, Chrome APIs, Local AI Models* Jan 2026 – Apr 2026

- Designed privacy-first architecture with local AI execution Chrome extension for productivity and memory assistance.
- Developed offline AI modules for summarization, memory recall, and reading assistance.
- Built accessibility-focused features for improved user productivity.
- Designed privacy-first architecture with Chrome's Built In Gemini Nano.

[GitHub](#) | [Demo Video](#)

Additional Projects | *Python, Java, TypeScript, CI/CD, GCP, Docker, Jenkins*

- Developed 10+ full-stack applications and delivered 5+ cloud-native deployments across AI, logistics, emergency response, DevOps, and privacy-preserving identity verification domains.
- Built scalable platforms including **RouteIQ** (AI-powered logistics optimization), **UDIA** (intelligent emergency dispatch), **ZK-Vault** (Zero-Knowledge Proof based KYC), and enterprise-grade **Employee Management** systems.
- Architected and deployed containerized applications, CI/CD pipelines, and cloud infrastructure using Docker, Kubernetes, Jenkins, GitHub Actions, AWS, and Google Cloud Platform (GCP).
- Leveraged Generative AI (Gemini/Genkit), LLMs, FastAPI, Node.js, PostgreSQL, Redis, WebSockets, and Zero-Knowledge Proofs (ZKP) to deliver secure, real-time, and production-ready software solutions.
- View all repositories: github.com/parag8487

EXPERIENCE

Personal Projects

2024 – Present

- Engineered full-stack web applications using Node.js, Express, and SQL/Postgres databases.
- Built real-time collaborative features with WebSockets, enabling seamless multi-user interaction.
- Integrated Chrome's built-in Gemini Nano and Chrome APIs (Prompt API and related browser capabilities) to implement on-device AI features with low-latency responses.
- Architected and optimized relational database schemas, improving query efficiency and data retrieval performance.
- Handled codes with Git and GitHub, ensuring version control, code reliability, and smooth collaboration.

EXTRA-CURRICULAR ACTIVITIES

Hackathon Winner – HackWins TechSprint (Open Innovation)

2026

Won for building **ReMind**, an AI-powered privacy-first Chrome extension.