

# PARAG DAKHANE

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## Professional Summary

Backend-focused Computer Engineering undergraduate (2026) experienced with Java, JavaScript, Node.js, and FastAPI. Skilled in building and testing scalable REST APIs, deploying applications using Docker and cloud platforms, and adapting quickly in fast-paced team environments.

## Technical Skills

- **Languages:** Java, JavaScript, Python
- **Web Technologies:** React, Tailwind CSS, Node, Express, FastApi
- **Databases:** MongoDB, MySQL
- **CS Fundamentals:** Data Structures & Algorithms, OOPs, DBMS, OS, Computer Networks, System Design
- **Tools:** Docker, Git, GitHub, Postman, Amazon Web Services (AWS)

## Education

**Modern Education Society's Wadia College of Engineering** 2022 – 2026

Bachelor of Engineering (B.E.) in Computer Engineering - CGPA: 8.55

**D.P. Mehta Junior College** 2020 – 2022

Higher Secondary Education (HSC) - Score: 64.33%

## Work Experience

**Software Development Intern – Bluestock Fintech** June 2025 – August 2025

- Developed and maintained application modules following **SDLC best practices**, collaborating with **cross-functional teams**.
- Improved application performance by 20% and **code reusability by 30%** through optimized component design.

## Projects

**WealthWise – RAG Based Financial Retrieval System** | [Live](#) | [GitHub](#) January 2026

- **Engineered an AI-powered semantic search system** improving accuracy by **45%** using a **RAG pipeline** with **FastAPI** and **FAISS** for vector retrieval.
- **Reduced query latency by 60%** by leveraging **pre-trained embedding models** and efficient high dimensional similarity search.
- **Increased user engagement by 40%** through a **React** interface delivering source-grounded financial insights.

**FileVault: Secure File Storage & Sharing Platform** | [GitHub](#) January 2026

- **Secured file sharing with 100% link integrity** using **time-bound access tokens** and expiry validation logic via **Node.js** middleware.
- **Prevented unauthorized access** by architecting a **JWT-based RBAC system** with strict authentication, secure download handling, and concurrent file management using **Multer** and **MongoDB**.
- **Cut deployment overhead by 80%** by **Dockerizing** MERN services with persistent volumes for production-ready data handling.

**Wrappay: Crypto Payment Gateway SDK** December 2025 – Present

*In Progress | Team Project*

- **Architecting a cross-chain payment SDK** reducing merchant integration overhead by **60%** for **Ethereum** and **Solana** networks.
- **Designing secure payment logic** via **Smart Contracts** to ensure **100% transaction atomicity** with real-time tracking using **Node.js**.
- **Collaborating in an Agile team** to research secure wallet interactions and production-ready Web3 infrastructure.