

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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<i>In Progress Team Project</i>	
<ul style="list-style-type: none">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.	