

# Param Shukla

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## EDUCATION

**SVKM's Dwarkadas J. Sanghvi College of Engineering - CGPA: 9.10/10**

2022 – 2026

Bachelor of Technology (B. Tech) in Computer Engineering

Mumbai, India

## EXPERIENCE

### Prodigy Infotech - Full Stack Developer Intern

June 2025 - July 2025

- Architected and deployed 2 enterprise-grade Spring Boot applications, including an Employee Management System and a contact manager with real-time chat, enhancing user data management.
- Built WebSocket-based real-time chat, achieving <250ms latency with zero message loss in testing.
- Integrated Spring Security for user authentication and role-based access control, reducing unauthorized access incidents by 100% during testing.
- Containerized both applications using Docker, reducing deployment setup time.

### Rogue Code - Software Developer Intern

June 2024 - August 2024

- Worked with Firebase Realtime Database for dynamic data storage and retrieval.
- Applied Greedy and Backtracking concepts to develop and optimize the scheduling algorithm, improving scheduling efficiency by ~62% based on dry run comparisons across multiple datasets.
- Developed backend functionality using Node.js and Express.js with RESTful APIs to support data editing and deletion.
- Implemented an Excel data export feature via xlsx, reducing manual reporting by 80%.

## PROJECTS

### Money Overflow | Team Project - React.js, Node.js, Express.js, Mongoose - [Link](#)

May 2025 – June 2025

- A comprehensive financial literacy platform offering 10+ learning modules, financial blogs, real-time news updates, 5+ financial calculators, gamified quizzes, an investment simulation, and a community-driven Q&A system with Gemini API-powered AI support for personalized financial guidance.
- Designed backend architecture, creating Mongoose schemas for users, learning modules, blogs, quizzes, and community Q&A.
- Implemented modular controllers and RESTful API routes to enable seamless CRUD operations for all major features.
- Improved UI design and optimized mobile responsiveness for a seamless experience across all devices.

### Contact Vault | Spring Boot, Spring Security, Spring Data JPA, MySQL, Thymeleaf - [Link](#)

May 2025 – June 2025

- Built a secure contact management system with CRUD operations, Cloudinary image uploads, pagination to reduce data load and improve performance, and personalized search across contact bases.
- Integrated WebSocket-based real-time chat, achieving an average response time of <250ms with zero message loss during testing.
- Implemented Spring Security with role-based access control and BCrypt encryption, ensuring secure user authentication and route protection.
- Used Thymeleaf for dynamic server-side rendering of HTML content, enabling clean integration between backend logic and frontend views.
- Utilized Spring Data JPA with custom queries for efficient and scalable user-specific data access in a MySQL database.
- Containerized the application and deployed it using Docker, reducing deployment setup time.

### Banking System | Java, JDBC, MySQL - [Link](#)

January 2025– February 2025

- Developed a secure banking system with user authentication via card number and PIN, along with new user registration and PIN change functionality to enhance security.
- Implemented core features used in real-time ATM systems, including deposit, withdrawal, fast cash, balance inquiry, fund transfer, and mini statement generation with PDF download support.
- Utilized Java with JDBC for MySQL integration to ensure efficient data handling and real-time transaction processing.

### Nurture Nest | Team Project - React.js, Node.js, Express.js, Mongoose - [Link](#)

September 2024 – October 2024

- A mobile-responsive NGO platform with dedicated admin and user portals, enabling admins to manage events, projects, staff, volunteers, and donation analytics. Features included event/project creation, PDF report generation, and for users, the ability to browse/join events, make secure donations, and receive key announcements.
- Built and managed backend architecture, including schema design for users, events, donations, staff, volunteers, and announcements. Developed modular controllers and RESTful routes to handle full CRUD operations for all core features.
- Integrated Razorpay for payment processing and implemented Twilio API to automate SMS notifications for successful registrations, enhancing user communication and engagement.

## HACKATHONS

- Participated in 5+ hackathons, including securing 1st runner-up at TSEC Need for Code 3.0 (2024) and becoming a finalist at HackX 2.0 (2025).

## TECHNICAL SKILLS

**Languages:** C, Java, SQL, Python, JavaScript

**Frameworks & Libraries:** Node.js, Express.js, Mongoose, Spring Boot, Spring Security, Spring Data JPA, React.js

**Database Systems:** MongoDB, MySQL

**Tools & Technologies:** Docker, JDBC, Git(GitHub), VS Code, Postman