

SHIVAM RAJ

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PROFESSIONAL SUMMARY

Backend-focused Fullstack developer with strong fundamentals in APIs, databases and AI-integrated web platforms. Hands-on exposure to AI-driven workflows and automation, with a strong problem-solving mindset solving 500+ DSA problems across coding platforms.

EDUCATION

B.Tech (Computer Science)

Quantum University, Roorkee

Graduating 2023–2027

8.05 CGPA

TECHNICAL SKILLS

Languages: JavaScript, C++, SQL, Python

Backend Development: Node.js, Express.js, REST APIs, FastAPI, WebSocket, Authentication, Authorization

Frontend Development: React.js, Tailwind CSS, HTML5, CSS3

Database Management: MongoDB, MySQL, AWS(EC2, S3), Redis

DevOps and Tools: Git, GitHub, Postman, Docker, CI/CD Pipeline

AI and Automation: LangChain, n8n, RAG

PROJECTS

Park-Intel — Intelligent GeoSpatial Parking Automation Platform [Live link](#)

Tech Stack: MySQL | Redis (GeoSpatial) | LangChain | Node.js | Express.js | FastAPI | Docker | OCR

- Designed a real-time smart parking backend with transactional slot management in MySQL and Redis GeoSpatial indexing for efficient nearby parking discovery
- Implemented automated vehicle entry/exit using OCR integration and scheduled hourly occupancy logging using node-cron to enable AI-based availability prediction and intelligent billing and containerized the project using Docker for scalable cloud deployment

WeCare — AI-Powered Care Service Platform for Seniors and Differently-Abled [Live link](#)

Tech Stack: React.js | LangChain | Tailwind CSS | Node.js | Express | MongoDB | Cloudinary | Razorpay

- Developed an AI-powered full-stack care service platform for senior citizens and differently-abled users with role-based user, admin, and expert dashboards
- Integrated LangChain to assist in intelligent service recommendations, automated query handling, and care workflow optimization
- Implemented dynamic multi-level CRUD architecture, secure admin routes, and payment gateway using Razorpay

HackVerse – A Collaborative Ecosystem for Hackathons [Live link](#)

Tech Stack: Socket.io | Nodemailer | OpenAI API | React.js | Tailwind CSS | Node.js | Express | MongoDB

- Developed a real-time platform to facilitate hackathon collaboration, including team discovery, idea validation using OpenAI API, and expert mentorship scheduling
- Integrated scalable features like AI-powered project evaluator, auto team-matching, and a mentorship booking system to support early-stage innovation
- Built real-time in-app messaging using Socket.io, and implemented a mail and notification system (Nodemailer) for seamless team communication

WORK EXPERIENCE

Digrows – Backend Developer Intern

May 2025 – Aug 2025

- Architected and executed the complete backend infrastructure for a startup platform using Node.js and Express.js, integrating secure JWT-based authentication, scalable RESTful APIs, and modular architecture.
- Designed core features like OTP authentication, chat system with time-limited access, calendar-based expert scheduling, and team management functionality using MongoDB and WebSocket.

Google Developer Group (GDG) – Core Team Member

Aug 2024 – Aug 2025

- Coordinated and executed multiple technical events and hands-on workshops to promote developer community engagement; conducted knowledge sessions on full-stack development.

ACHIEVEMENTS

- Solved 500+ Data Structures and Algorithms problems across coding platforms
- Postman API Fundamentals Certified (Postman)