

# SHIVAM RAJ

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## EDUCATION

**B.Tech (Computer Science)**

Quantum University, Roorkee

Graduating 2023–2027

8.01 CGPA

## TECHNICAL SKILLS

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

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

**Frontend Development:** React.js, Tailwind CSS, HTML5, CSS3, Responsive Design

**Database Management :** MongoDB, MySQL, Data Modeling, AWS

**Tools :** Git, GitHub, Postman, VS Code, Docker

**Soft Skills :** Team Collaboration, Project Management, Agile Methodology, Communication Skills

## 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.
- Led development of the official website of GDG Quantum University using React.js and Tailwind CSS, implementing modular components, responsive user interface, and event tracking features.

**Freelance, : Full-Stack Developer (MERN Stack)**

2025 – Present

- Collaborated with clients to build and deploy dynamic web applications using the MERN stack, including features like user authentication, role-based access, dashboards, and CRUD APIs

## ACADEMIC PROJECTS

**HackVerse – A Collaborative Ecosystem for Hackathons**

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

- 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 (OpenAI API), 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

**WeCare — Care Service Platform for Seniors and Differently-Abled**

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

- Developed a full-stack platform for senior citizens and differently abled to deliver care services in a structured, accessible way with user, admin, and expert panels to manage and deliver
- Implemented dynamic multi-level CRUD architecture for service types, structured service categorization and CMS modules, including file uploads via Cloudinary and protected admin routes

## CERTIFICATES

**Postman API Fundamentals (Postman), :**

July 2025

- Gained practical experience in REST API testing, automation workflows, environment variables, and request chaining using Postman.

**Generative AI Study Jams (Google Developer Groups, Quantum University), :**

Nov 2024

- Earned 15+ skill badges via GenAI Arcade labs, gaining exposure to GenAI applications and tooling.