Rajeev Kumar Gupta

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Professional Summary

Aspiring Full Stack Developer and Software Engineer skilled in in MERN Stack, C++, Python, JavaScript. Experienced in designing, developing, and deploying scalable web applications, RESTful APIs, and Progressive Web Apps (PWAs). Proficient in Agile methodologies, version control (Git), and modern development tools. Passionate about building high-performance solutions that solve real-world problems and enhance user experience.

Education

Symbiosis Institute of Technology, Pune, India   Aug 2024 – Present

- **Bachelor of Technology (B.Tech) in Computer Science and Engineering**
- **Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks, Artificial Intelligence, Machine Learning, Cloud Computing

Experience

Python Trainee   June 2024 – July 2024

- Completed a structured Python training program covering data types, control structures, functions, OOP concepts, file handling, and modules.
- Solved 100+ coding exercises to strengthen problem-solving and logical thinking skills.
- Worked on small-scale Python scripts and automation tasks to apply learned concepts in practical scenarios
- Followed best coding practices, including code readability, modular programming, and version control using Git.

Projects

FarmTrack – Offline Farm Area Cost Estimator   Github-link

- Developed and deployed a Progressive Web App (PWA) to measure farm boundaries and distances, increasing usability in low-connectivity rural areas by 40%.
- Implemented RESTful APIs using Node.js and Express.js; blended Leaflet.js with OpenStreetMap for real-time perimeter and area calculations.
- Built offline mode using Service Workers, IndexedDB, and Cache API, ensuring seamless user experience without internet.
- Added multi-language support and one-click PDF/WhatsApp sharing of results.
- Tech Stack: HTML, CSS, JavaScript, Leaflet.js, Node.js, Express, MongoDB, Service Workers, PWA APIs.

MyCityFix – Geo-Based Civic Engagement Platform   Github-link

- Developed a full-stack web application enabling citizens to report and track public infrastructure issues.
- Implemented issue reporting with title, description, image upload via Cloudinary, and incorporated Google Maps API for geolocation.
- Designed interactive map-based UI with clickable pins showing issue details and statuses.
- Built JWT-based authentication, an upvote system for prioritization, and an admin dashboard for local authorities.
- Tech Stack: React, Node.js, Express, MongoDB, Google Maps API, Cloudinary, JWT, Axios.

Certifications

Python Course for Beginners with Certification: Mastering the Essentials

Covered Python fundamentals, hands-on coding challenges, and practical applications.

C++ Programming Certification

Focused on core C++ concepts, OOP principles, STL, and problem-solving exercises.

Skills

Programming Languages: C, C++, Python, JavaScript (ES6+)

Frontend: HTML5, CSS3 (Flexbox, Grid, Responsive Design), React.js, Redux

Backend APIs: Node.js, Express.js, RESTful API Development, JWT Authentication, bcrypt

Databases: MongoDB

Tools Platforms: Git, GitHub, Jest, React Testing Library, Socket.io, Cloudinary, Multer, Deployment (Vercel/Render)

Emerging Technologies: AI, ML, Cloud Computing, IoT, Cybersecurity

Soft Skills: Communication, Problem-Solving, Team Collaboration, Time Management, Adaptability