

SONU GUPTA

Full Stack Software Developer — React.js — Spring Boot — Deep Learning

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Summary

Full Stack Software Developer with 3+ years of expertise in React.js, Spring Boot, and Node.js. Delivered production applications serving 500K+ users with 99.8% uptime. Reduced processing times by 35% and increased user engagement by 28% through optimized solutions. Currently pursuing M.Tech in Machine Learning with a strong foundation in data structures, algorithms, and software engineering.

Technical Skills

Programming Languages: Java, JavaScript, C, SQL, HTML5, CSS3

Frontend Technologies: React.js, Redux, Responsive Web Design

Backend Technologies: Spring Boot, RESTful APIs, Microservices, Node.js

Database & Cloud: MySQL

AI & Tools: Gemini API, Google APIs, Speech-to-Text, Git, GitHub, Postman, WebRTC

Experience

Tata Consultancy Services (TCS)

Oct 2021 – Aug 2024

Software Developer

Indore, India

- Developed credit card issuance system using React.js and Spring Boot, processing 2,000+ applications daily and improving processing time by 35% from 4 hours to 2.6 hours.
- Built Buy Now Pay Later (BNPL) platform handling \$2.5M+ monthly transactions with React.js frontend and Spring Boot backend, increasing user base by 28% (50K to 64K users) and reducing cart abandonment by 22%.
- Created Status Check Application using React.js with real-time data synchronization for 10,000+ daily queries, reducing support tickets by 40% (500 to 300 tickets/week).
- Optimized payment processing workflows using JavaScript and React.js, decreasing transaction drop-offs by 30% and increasing successful payment completion rate from 85% to 95%.
- Developed Terms & Conditions management module with version control for 25+ products, increasing compliance visibility by 60% and reducing legal review time from 5 days to 2 days.
- Collaborated with cross-functional teams of 8+ developers using Agile methodology, delivering 12 major features across 6 sprints with 98% on-time delivery rate.
- Implemented automated testing suite achieving 85% code coverage, reducing production bugs by 45% and deployment time from 3 hours to 45 minutes.

Education

Indian Institute of Information Technology, Allahabad (IIITA)

Jul 2024 – Present

Master of Technology (M.Tech) in Machine Learning - CGPA: 8.97

Allahabad, India

Institute of Engineering & Technology, Indore

Jul 2017 – Jun 2021

Bachelor of Engineering in Computer Science - CGPA: 8.33

Indore, India

Projects

AI-Powered Recruitment System | React.js, Node.js, MongoDB, WebRTC

May 2025

- Developed AI-powered recruitment platform with automated resume parsing using Gemini API, reducing hiring time by 50% (from 20 days to 10 days).
- Implemented AI-based quiz and interview system with Speech-to-Text capabilities for automated candidate assessment, reducing manual screening time by 70%.
- Built real-time video interview module using WebRTC technology
- Created comprehensive analytics dashboard for skills analysis and data visualization

E-commerce Platform | React.js, Node.js, Express.js, MongoDB

May 2021

- Built scalable e-commerce application with product catalog, shopping cart, and secure payment processing
- Implemented user authentication system with JWT tokens
- Developed advanced search and filtering functionality with pagination

Blog Management System | React.js, Context API

Jan 2020

- Developed blog platform with dynamic content management and topic-based filtering
- Created responsive design with mobile-first approach, achieving 98% cross-browser compatibility and 40% faster mobile loading times

COVID-19 Dashboard | HTML, CSS, JavaScript, REST APIs

Jul 2020

- Created COVID-19 tracking dashboard with real-time visualization for 28 states and 700+ districts

Certifications

Professional Certifications

- Microsoft Certified: Azure Fundamentals (AZ-900) - Oct 2021
- CodeChef Certified: Data Structures and Algorithms - Jul 2018
- Winner, Smart India Hackathon 2019