Rohit Singh

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SKILLS

- **Programming Languages:** Python, JavaScript, C++
- **Frameworks & Libraries:** Django, Flask, React.js, NumPy
- **Databases:** PostgreSQL, Firebase, MongoDB
- **Cloud & DevOps:** AWS (S3, EC2, Lambda), Docker, Kubernetes
- **Machine Learning:** Scikit-Learn, TensorFlow, OpenCV
- **Testing & Debugging:** PyTest, Selenium, Mocha
- **Soft Skills:** Critical Thinking, Adaptability, Leadership

EDUCATION

Indian Institute of Technology (IIT), Delhi

Bachelor of Technology in Software Engineering (2015 – 2019)

CGPA: 9.0

XYZ High School, Mumbai

Intermediate in Science (2013 – 2015)

Percentage: 91.2%

EXPERIENCE

Software Engineer | TCS | July 2019 – Present

- Developed full-stack web applications using Django and React.js.
- Designed scalable cloud architectures using AWS services.
- Led a team in implementing CI/CD pipelines using Jenkins and Docker.
- Optimized database performance through indexing and query optimization.

Software Developer Intern | Infosys | Jan 2018 – June 2019

- Developed an automated bug tracking system using Flask and PostgreSQL.
- Created REST APIs to streamline business operations.
- Improved system performance by 20% through optimized code practices.
- Assisted in frontend development using JavaScript and React.js.

PROJECTS

Automated Code Review System | Django, AWS

- Developed an AI-powered system to analyze and review code for best practices.
- Integrated it with GitHub for real-time code analysis and suggestions.
- Deployed using AWS Lambda and PostgreSQL for scalability.

Smart Traffic Management System | OpenCV, TensorFlow

- Designed an AI-based traffic monitoring system using real-time image processing.
- Used TensorFlow and OpenCV for object detection and congestion analysis.
- Deployed the system using Flask and AWS for scalability.

Personal Finance Tracker | React.js, Flask

- Built a web application to help users manage their personal finances.
- Integrated third-party APIs for real-time stock and expense tracking.
- Used Flask for backend API management and React.js for frontend UI.

CERTIFICATIONS & ACHIEVEMENTS

- AWS Certified Solutions Architect – Associate
- Google Cloud Professional Developer Certification
- Winner of National AI Hackathon
- Published research on Machine Learning in Finance at IEEE Conference

EXTRACURRICULAR ACTIVITIES

- Member of the AI & ML Club at IIT Delhi
- Volunteer at Code for Change initiative
- Finalist in International Software Development Hackathon