Chennamadhava Rohan Raju

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Education

Bachelor of Technology (B.Tech) in Computer Science,
Indian Institute of Technology (IIT) Delhi, New Delhi
Relevant Coursework: Probability, Data Structures, Algorithms, Discrete Mathematics, Database Management Systems, Computer Networks, Operating Systems, Artificial Intelligence, Machine Learning

Scholastic Achievements

- Ranked 456 in JEE Advanced out of over 150,000 candidates, securing a spot in one of India's premier engineering institutions.

Professional Experience

Java Backend Developer, Truminds Software Systems, Gurugram, India
June 2022 – Jan 2023
Project: CrossCheck (Client: Dataflow)
Developed and optimized back-end services using Spring Boot and MongoDB for a global online risk database application. Achievements included:

- Reduced data retrieval times by optimizing database queries, resulting in a 25% efficiency improvement.

- Successfully deployed microservices using Docker, enhancing the scalability and reliability of the application for client demonstrations.

Java Backend Developer, iCodeTest, Hyderabad, India
Project: Versatile and Agile Test Automation IDE
Instrumental in the development and implementation of a test automation IDE, aimed at reducing time and effort across all stages of the software development lifecycle:

- Collaborated with a team of 5 to design and implement a new feature set which reduced setup time for test environments by 30%.

- Integrated Selenium with Spring Boot to automate web application testing, leading to a significant reduction in manual testing hours.

Technical Skills

Programming Languages: Java, Python, SQL, JavaScript, HTML
Frameworks/Tools: Spring Boot, ReactJS, Docker, MongoDB, Selenium, Git, GitHub, GitLab

Key Projects

OMEGA EYES (Under Prof. Kolin Paul, IIT Delhi)
Designed a mobile application to identify mechanical parts using computer vision (OpenCV). Enhanced robotic sorting systems by enabling precise identification and categorization.

SEARCH ENGINE (Under Prof. Amitabha Bagchi, IIT Delhi)
Implemented advanced data structures (hash maps, linked lists) to efficiently store and retrieve web content, supporting fast searches and robust data handling.

ARM Processor with String Co-processor
Developed a pipelined ARM processor model in VHDL, capable of executing string processing instructions alongside standard ARM instructions, improving processing efficiency.

IMAGICON
Created a full-stack web application for sharing images and locations. Implemented robust features including CRUD operations, data validation, user authentication, and authorization.

Activities

- Passionate about Pottery: Regular participant in local workshops and exhibitions.
- Enthusiastic Cricketer: Active member of the IIT Delhi cricket team.
- Volunteer Work: Regular volunteer at Blood Connect Foundation, organizing and participating in blood donation camps.