HARSHITHA NOOLI

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EDUCATION

Indiana University Bloomington   **August 2023 - May 2025**
Master of Science in Computer Science   CGPA : 3.84/4.0
Jawaharlal Nehru Technological University   **July 2017 - July 2021**
Bachelors of Technology in Computer Science and Engineering   CGPA : 9.85/10.0

TECHNICAL SKILLS

Languages/Frameworks: Java, Spring Boot, Python, JavaScript, TypeScript, React, Node.js, Micronaut
Databases and technologies: PostgreSQL, Oracle, MySQL, MongoDB, Apache Ignite, Apache Kafka
Tools/Technologies: Git, AWS, Linux, Jenkins, REST API, GraphQL, Docker, Apache Maven, JIRA

EXPERIENCE

REN-ISAC Indiana University   **Bloomington, IN**
Software Engineer Student Intern - SOC   **October 2024 - May 2025**
Python, Flask, PostgreSQL, Bootstrap CSS, IntelMQ

- Built secure Flask web application with PostgreSQL to streamline SOC data management and improve efficiency.
- Automated threat intelligence workflows with Python scripts and IntelMQ, saving 3+ hours of manual work daily.
- Identified root causes, fixed bugs, automated Python ingestion workflows, reducing alert processing delays by 40%.

Credit Suisse   **Pune, India**
Software Engineer II   **July 2022 − July 2023**
Java, Spring Boot, React, JavaScript, REST API, GraphQL, Micronaut, SQL, JUnit

- Led full-stack development of a manager delegation platform, building React UI and GraphQL APIs to streamline application requests, improving system efficiency by 15%.
- Migrated large codebase from Java 11 to 17 with cross-functional teams, ensuring seamless application performance.
- Designed RESTful APIs with SpringBoot and Micronaut, enhancing applications scalability and integration speed.
- Implemented React UI components and tested with Jest to ensure a stable and user-friendly frontend interfaces.
- Earned the **Rising Star Award** for consistently exceeding expectations in engineering delivery and performance.

Software Engineer I   **July 2021 − July 2022**

- Developed high performance microservices using Spring Boot in Java, Maven and Kafka, ensuring scalability to handle 1 million transactions per minute.
- Improved test code coverage from 10% to 60% by adopting test-driven development with JUnit and Mockito.
- Optimized application performance by adding Apache Ignite caching, reducing data access time from 5 mins to 2 ms.
- Containerized applications using Docker for streamlining deployment and improving system reliability.
- Followed Agile, CI/CD, and SDLC practices to accelerate software product delivery and maintain code quality.

Credit Suisse   **Pune, India**
Software Engineer Intern   **May 2020 - November 2020**
Java, Spring Boot, React, Python, Oracle, SQL, Machine Learning

- Built a chatbot using Spring Boot, React, and ML to resolve trade data queries via real-time backend integration.
- Reduced data query resolution time from 30 mins to 2 mins, improving productivity for business stakeholders.
- Created a Python-based reporting tool to email auto-generated trade data summaries, saving 2+ hours of daily time.

PROJECTS

Patient and Health Insurance Management Portal

- Developed a portal with React, Flask, PostgreSQL for managing patient and insurance data for 500+ users.
- Engineered appointment booking, payment, and profile editing modules, reducing manual data entry time by 60%.