Sai Manoj Dintakurti

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EDUCATION

- **Virginia Tech** — Virginia
  Masters in Computer Science — *August 2023 - December 2024*
- **Jawaharlal Nehru Technological University** — India
  Bachelor of Technology in Computer Science — *August 2017 - May 2021*

SKILLS

- **Languages**: Java, Python, C, SQL
- **Framework**: Spring Framework, Spring Boot, Spring MVC, Microservices
- **Web Technologies**: React, Redux, JavaScript, HTML5, CSS3, Bootstrap, Freemarker, Thymeleaf, Jquery
- **Tools**: GIT, JIRA, BitBucket, Intellij, Postman, VS Code

EXPERIENCE

- **Digital Specialist Engineer** — Hyderabad, India
  Infosys Limited — *September 2021 - August 2023*
- As a Full Stack Developer, I bring expertise in Spring and React, driving optimal web application development and seamless user experiences. My focus on API development, Web development, performance optimization, and security enhancements has led to remarkable results.

  - **REST API Development**: Spearheaded the creation of robust REST APIs to efficiently manage customer and 3rd party business requests. Achieved an average response time of under 200 milliseconds, enhancing system responsiveness.
  - **Optimization Techniques**: Introduced advanced query optimization techniques that decreased query retrieval time by 40%, resulting in enhanced database performance and quicker data access. aged Spring's security features to fortify the application against unauthorized access. This resulted in zero security breaches and ensured data integrity, promoting customer trust.
  - **User Authentication Design**: Utilized React to design and develop user authentication pages, resulting in a seamless and secure login experience. Turn down authentication failures by 25% through intuitive design and error handling.
  - **DevOps and Deployment**: Orchestrated deployment processes using Concourse and Kubernetes, enabling the team to deploy updates every week. This implementation led to a 30% reduction in deployment time and minimized downtime.
  - **Bug Resolution and Feedback Integration**: Resolved customer-reported bugs through analysis of ELK logs and customer feedback. Gained around 80% reduction in bug-related support tickets, enhancing overall customer satisfaction.

PROJECTS

- **Shopify**: Programmed and fine-tuned Shopify, an e-commerce powerhouse for thousands of products and concurrent customer traffic. Achieved 40% faster load times and cut query response times by 60%, elevating user experiences. Managed 50,000+ products, serving 10,000 customers seamlessly at once.
- **Traffic Analysis Through Digital Video Processing**: Built an OpenCV-powered system for precise vehicle counting via surveillance cameras. Enabled businesses to adjust operations using real-time traffic data, achieving 90%+ accuracy. Enhanced resource allocation and operational efficiency.
- **Handwritten text recognition**: Built a mobile application using tensor flow and Python which can scan handwritten text and convert it to digital text with an accuracy of 95%.
- **Created Web Scraping Automation**: Devised an automated robot using UI Path Studio to efficiently extract data from web pages. This data-driven approach led to a 75% reduction in manual data collection time, significantly enhancing the website's indexing and search capabilities.

HONORS AND AWARDS

- Received client commended us for smoothly implementing CSOS, driving a 20% sales increase in controlled substances.
- Insta Rise Award: Awarded Best Employee for Timely Project Development and Deployment.
- Received a merit-based Scholarship from the Government of India, covering 100% of college fees in Bachelors.