Sai Reshma Guntimadugu

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EDUCATION:

Illinois Institute of Technology, Chicago, IL, USA	Aug 2022 - Present
Master of Science in Computer Science	

Jawaharlal Nehru Technological University, Hyderabad, India	Sep 2013 - Jun 2017
Bachelor of Technology in Electronics and Communication Engineering	

TECHNICAL SKILLS:

Programming Languages	: SQL, Java, JavaScript, Python, TypeScript
Frameworks/Web Development	: Angular, HTML, CSS, Bootstrap, REST
Cloud Platforms	: Microsoft Azure, AWS
Others	: GIT, JIRA, Kanban, Eclipse, Putty, Docker

WORK EXPERIENCE:

Tata Consultancy Services Pvt. Ltd.

Systems Engineer   Feb 2019 - Aug 2022

- Collaborated on and effectively supervised the development of REST-based services in blockchain technology, actively contributing to POCs. Deployed smart contracts as an integral component of the project.
- Engaged in a pivotal role at Walmart Smart Building IoT project, Spearheaded data streaming from devices to Azure cloud, while leveraging API integration to construct front-end applications.
- Proficiently addressed application failures on production servers by adeptly troubleshooting Linux operating systems, ensuring seamless project execution. Devised a stored procedure to verify the data loaded onto Azure and the on-premises database.
- Exhibited strategic initiative by overseeing the complete SDLC, introducing efficient workflows like Kanban and Agile methodologies. Leveraged tools such as Jira for agile management and CI/CD tools like Git, showcasing a strategic approach to project management.

    Skills: *Blockchain, Angular, Java, JavaScript, REST, APIs, Linux, Microsoft Azure, JIRA, GIT*

Hacklab Solutions Pvt. Ltd.

Embedded Engineer   Jan 2018 - Feb 2019

- Pioneered the development of Collision Avoidance system for heavy material handling machinery, incorporating Smart helmets, cloud integration, and power distribution units.
- Elevated industrial safety with real-time collision prevention capabilities. Designed and deployed complex safety solutions at the intersection of hardware and software integration.
- Developed PCBs using Eagle software and used interfaces like ESP32, ATMEGA328, MQTT, Bluetooth etc.
- Demonstrated a strong understanding of Arduino, VSCode and knowledge of Embedded C.

    Skills: *Eclipse, Arduino, Embedded C, VSCode, Eagle, PCB Designing*

ACADEMIC PROJECTS:

Big Data: FIFA 18 Player Performance Prediction *(PySpark, Python, AWS)*

- The purpose of this project was to analyze and develop predictive models to forecast player performance based on their attributes and past performances. We used PySpark and Python to process the data, creating statistical graphs to visualize trends. Used S3 bucket to store data, and we employed Python for data analysis and scripting.

Twitter Hate Speech Recognition *(Machine Learning, Python)*

- This project tackles hate and offensive speech on platforms like Twitter through a classification model. The goal is to accurately identify hate, offensive, and neutral tweets, minimizing their negative impact. After evaluating various models, the Random Forest model emerged as the most effective, achieving an accuracy of 89.83%.

GitHub Insights Dashboard *(Python, GIT, Docker, Google Cloud)*

- Created a GitHub Insights Dashboard using Python, Flask, React, Docker, and Google Cloud, leveraging the GitHub API to analyze repository metrics and visualize data with dynamic charts, showing expertise in full-stack development and micro-services deployment.