SAHITHI REDDY SAKINALA

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EDUCATION

Rutgers University, **New Brunswick, NJ, USA**   *Aug 2022 – May 2024*
Master of Science in Computer Science with specialization in Data Science   *GPA: 3.75*
Jawaharlal Nehru Technological University, India   *Sep 2012 – Apr 2016*
Bachelor of Technology in Computer Science

WORK EXPERIENCE

LyondellBasell | Data Analytics Intern   *May 2023 – Present*
- **Data Analytics**: Showcased expertise in systematic execution by skillfully developing numerous Power BI dashboards leveraging DAX and utilising SQL within Azure Data Studio.
- Effortlessly extracted and transformed SAP data, illustrating strong competence in data modelling and visualization.

LTIMindtree | Module Lead   *Jan 2021 – Mar 2022*
- Project: Microsoft Skype for Business and Exchange; Client: Microsoft Corporation, US
- **Deployment**: Deploy software builds and execute comprehensive test cases to ensure the features and functionalities of Skype for Business and Microsoft Exchange align with defined requirements.
- **Quality Assurance:** Conducted quality assurance audits to monitor compliance of software engineering processes, methods, and work products against the defined standards.
- Engaged in collaborative leadership, spearheading a team, and offering mentorship to fellow members to foster growth and success.
- Bagged 4 spot-on awards in recognition of my contributions and successful implementations that significantly enhanced customer satisfaction, nominated by managers and teammates and achieved 2 fast-tracked promotions.

LTIMindtree | Senior Software Engineer   *Jan 2019 – Dec 2020*
LTIMindtree | Software Engineer   *Jan 2017 – Dec 2018*
- **Internal Analytics Web Application:** Designed and developed an end-to-end web application enabling the leadership team to visualize and analyze data spanning Finance, HR, Operations, and Procurement departments, thereby facilitating informed and data-driven business decisions.
- **Microservices:** Migrated the User Interface of the application from JSP/servlets to Angular 5, enhancing user experience. The service code has been redesigned from Spring MVC to Spring Boot, leading to the creation of robust REST APIs.
- **Data Engineering:** Demonstrated problem-solving expertise by leading design and requirements gathering sessions to steer data analytics and visualization projects. Designed and implemented data models and reports, aligning them with business needs for effective decision-making. Skillfully managed data integration, conducted data sampling and data cleansing utilizing MySQL Workbench.
- Collaborated cross-functionally with peer teams to gather application requirements and ensure seamless integration.
- Leveraged agile engineering practices, employing an incremental approach to design and develop the product efficiently.

IBM | Software Engineering Intern   *Sep 2015 – Feb 2016*
- Interned at IBM as part of the academic initiative, successfully training over 1000+ engineering students from various institutions on IBM Bluemix.

PROJECTS

Time Series Prediction for Stocks   *Aug 2022 – Dec 2022*
- Utilized NumPy, Pandas and SciPy for data preprocessing and feature engineering and Matplotlib for visualizations.
- Implemented RNN, LSTM, and GRU models with Keras, Sklearn and TensorFlow, achieving a 5% mean accuracy variation.
- Deployed the predictive system using Flask, exemplifying adept integration of Deep Learning models.

Face and Digit Classification   *Jan 2023 – Mar 2023*
- Crafted a proficient classification system leveraging the Numpy, Matplotlib libraries and Naive Bayes, KNN and Perceptron algorithms.
- Attained notable accuracy rates of 82% for digits and 90% for faces using handwritten digit and face images.

Auction Management System   *Mar 2023 – May 2023*
- Developed a robust full-stack web application utilizing Apache Tomcat and a comprehensive database management system, geared towards auctioning various items akin to eBay.
- Implemented optimized data retrieval techniques and established efficient database schema relationships using MySQL, resulting in a remarkable 25% reduction in downtime and significantly enhancing cross-functional data accessibility.
- Utilized a versatile technology stack encompassing Java, MySQL, JSP, XML, HTML and CSS ensuring flawless functionality and a user-centric experience.

TECHNICAL SKILLS

Programming Languages:	Python, Java (Spring MVC, Spring Boot-REST APIs), SQL, Shell Scripting, HTML, CSS, Angular 5
Database & Visualization:	Oracle, Hive, MySQL, SQL Server, DB2, JDBC, Azure Data Studio, Power BI, Excel, Tableau
Software Tools:	Postman, Selenium, SVN, GIT, Maven, Material Design
Cloud Platforms:	Microsoft Azure, IBM Bluemix
Libraries/Framework:	Spark, OpenCV, NumPy, Pandas, Matplotlib, PyTorch, Scikit-learn, Tensorflow, Seaborn, Scipy