Contact

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www.linkedin.com/in/smr31796 (LinkedIn)

Top Skills

Python
Machine Learning
R

Languages

Telugu (Native or Bilingual)
Hindi (Native or Bilingual)
English (Native or Bilingual)

Certifications

Statistics Foundations: 1
Statistics Foundations: 2
Statistics Foundations: 3
Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization
Neural Networks and Deep Learning

Honors-Awards

The Smart India Hackathon-2017 Finalist

Mayank Reddy Saddi

#ONO | Actively seeking full-time opportunities | Data scientist | Machine Learning Engineer | Data Analyst | Python Developer
Greater Chicago Area

Summary

Computer Science graduate from Illinois Institute of Technology with a specialization in Computational Intelligence. Seeking a challenging career with a progressive organization that provides an opportunity to capitalize my technical skills and abilities in the field of Artificial Intelligence, Machine Learning and Data Science.

Experience

Johnson & Johnson
Machine Learning Engineer Intern
September 2019 - March 2020 (7 months)

Built a full-stack anomaly Detection System of Johnson and Johnson's ERP Central Component (ECC) system (SAP P50) spool data.

• Engineered a full-stack tool for extracting, preprocessing, and aggregating hourly Spool data and performing feature analysis and feature engineering.
• Built anomaly detection system model based on Multivariate Gaussian probability estimation and density-based clustering methods.
• Achieved an average of 76% accuracy in identifying anomalous transactions and jobs measured by conducting several internal audits.
• System is designed to periodically predict anomalies and generate reports, allowing the company to investigate possible misuse or faulty systems.

Illinois Institute of Technology
Research Assistant
June 2019 - September 2019 (4 months)
Greater Chicago Area

Designed and oversaw over four months of development of M3AM, a metal 3D printer being built for NASA by a team of 4 at the Design and Automation Lab of
Illinois Institute of Technology and Interlog Corporation.
• Spearheaded the development of the software framework and GUI of the printer which contributed to a product that is under review by NASA

• M3AM is a product that allows NASA to print custom chips and metal parts for its equipment without needing to send in physical replacements from earth, saving billions of dollars.
• Served as a liaison between the hardware research at Interlog Corp and chip and software research at DA Lab at IIT to jointly design the printer.
• Developed the central software framework using Python and Slic3r to generate custom Gcode allowing custom printer head movements, welder, and cutter
parts operation.
• Designed a wholesome user-friendly GUI built using PyQT and Kivvy equipped with 3D STL viewer and print progress of the model in real-time.
• Resolved many design issues using custom macro calls and post-processing with python to meet NASA's specifications.

Deloitte India (Offices of the US)
Business Technology Analyst Intern
May 2017 - July 2017 (3 months)
Hyderabad Area, India

Helped a client move all business operations from an on-site system to a cloud ERP system reducing thousands of dollars on maintenance costs and significantly
reduced overall risk.
• Resolved several Data Integrity and Corruption issues during migration using the latest ADFDi and FBDi data migration techniques.
• Tasked migration of over 85,653 records with continuous subset and random sampling cross-validations ensuring Data Integrity.
• Transformed several data and table representations in the new platform using SQL and trigger-based PL/SQL scripts that allowed compatibility of client's
applications with the new platform.
• Developed several dashboards, reports and visualizations using PowerBI and Tableau.

Education

Illinois Institute of Technology
Master's degree, Computer Science · (2018 - 2019)

Chaitanya Bharathi Institute Of Technology
Bachelor of Engineering - BE, Computer Science · (2014 - 2018)

Hyderabad Public School, Begumpet

ICSE · (2002 - 2012)