

SAI SRIKAR REDDY KOLLI

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EDUCATION

Computer and Information Sciences University of Missouri Columbia	Present
Department of Computer Science Engineering Indian Institute of Information Technology	Aug 2024 7.64 GPA

TECHNICAL SKILLS

- Data Analysis and Modeling:** Python (Pandas, NumPy, SciPy), R, SQL, MATLAB, Excel, Regression Modeling, Forecasting, Anomaly Detection
- Data Visualization:** Power BI, Tableau, Matplotlib, Seaborn, DAX
- Data Management and Compliance:** Data Validation, ETL Pipeline Development, Quality Assurance, REDCap (familiar), Azure Data Factory, Databricks, MySQL, MongoDB
- Software Engineering and Systems:** Data Structures, Algorithms, Systems Design, Object-Oriented Programming (OOP), Distributed Systems, Parallel Computing, Unix/Linux Environments, Networking Basics, Security, Asynchronous Programming
- Programming Languages:** Python, Java, C++, Go (familiar), JavaScript
- Tools and Platforms:** Git, Microsoft Fabric, Azure Synapse Analytics, Prophecy
- Soft Skills:** Stakeholder Communication, Project Ownership, Documentation, Process Improvement, Critical Thinking, Problem-Solving, Team Collaboration

EXPERIENCE

MAQ Software Hyderabad: Software Engineer 1	May '24 - Jun '25
<ul style="list-style-type: none">Pioneered the creation of Linked Services and Datasets within Azure Data Factory (ADF) for extracting data from 7 distinct sources, migrating them to Azure Data Lake Storage (ADLS).Engineered data transformation processes within Azure Data Bricks, employing SQL and PySpark to cleanse and structure datasets, leading to a 10% reduction in data anomalies and improved data quality.Staged the extracted data on Azure Data Bricks (ADB) and applied transformations, implement business logic on the data using SQL and PySpark.Loaded the tables created into different storage such as ADLS, ADW, and SQL Databases.Created Semantic Models using the tables in Power BI for visualizations of the data as per the customer requirements.Implement Relationships between the tables and ensure the quality of the data.Used DAX functionalities to create several measures as per the requirements.Experience in the latest products, such as Microsoft Fabric.Developed a Python-based backend tool to automate conversion of Power BI files into Microsoft Fabric-compatible formats, streamlining reporting workflows.	
SP Software (P) Limited Hyderabad: Associate Software Engineer Intern	Feb '24 - Apr '24

SP Software (P) Limited Hyderabad: Associate Software Engineer Intern	Feb '24 - Apr '24
<ul style="list-style-type: none">Enhanced image processing pipeline by integrating ESRGAN algorithms, achieving a 5% improvement in text clarity and legibility, while decreasing image processing time by 15 milliseconds per image.Innovative Research: Conducted research to explore cutting-edge methods for enhancing text visibility and quality in images using ESRGAN techniques.	

ACADEMIC PROJECTS

ESRGAN	Github
Collaborated with team members to develop and implement advanced ESRGAN algorithms, significantly improving text clarity and legibility in images.	
<ul style="list-style-type: none">Implemented and fine-tuned ESRGAN models, converting SD videos to HD with 30% improved visual fidelity and 20% fewer artifacts.	

- Upscaled low-resolution video frames using advanced super-resolution techniques, achieving 40% sharper images and 25% better detail retention in HD output..

STOCKS PORTFOLIO DASHBOARD

[Github ↗](#)

- Designed and developed a Stocks Portfolio Dashboard using the MERN stack, enabling real-time investment tracking for 100+ users and providing stock updates and news.
- Ensured robust **user authentication and verification**, safeguarding user data and maintaining the security of investment information.

CERTIFICATIONS

Microsoft : Microsoft Certified: Fabric Analytics Engineer Associate	Certification↗
DeepLearning.AI : Supervised Machine Learning: Regression and Classification	Certification↗
DeepLearning.AI : Neural Networks and Deep Learning	Certification↗
OpenCV University : OpenCV Bootcamp Certificate	Certification↗
OpenCV University : Tensorflow Keras Bootcamp Certificate	Certification↗

ACTIVITIES

IOTA Club College: Club Member

- Collaboration and Networking:** Collaborated with fellow members on various tech-driven projects, fostering a strong sense of community and expanding professional networks within the college.
- Technical Contributions:** Contributed to the development and testing of software tools and applications as part of club projects, gaining practical experience in real-world tech scenarios.

Football Team College:

- Inter-IIIT Football Championship:** Played in the inter-IIIT football championship and secured 2nd place, demonstrating teamwork, strategic thinking, and athletic prowess.

Ramky Foundation Hyderabad: Social Service Volunteer

June 2023,May 2024

- Participated in the “**IEC-Public Awareness on Plastic Dry Waste Management Project**” to promote sustainable waste management practices in Mehboobnagar under the guidance of Ramky Foundation’s planning team.
- Actively contributed to **CSR initiatives, including health camps, mobile health unit projects, and awareness campaigns** for rag pickers as part of a plastic dry waste management project.
- Demonstrated commitment, passion, and sincerity while driving community welfare activities at Ramky Foundation.