

Koushik Reddy Annapa Reddy

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EDUCATION

University of Connecticut, School of Business - Stamford, CT

Aug 2022 – May 2024

Master of Science in Business Analytics and Project Management; Cumulative GPA: 4.0/4.0

Gandhi Institute of Technology and Management (GITAM University) - Visakhapatnam, India

July 2016 – May 2020

Bachelor of Engineering, Computer Science; Cumulative GPA: 8.55/10.0

WORK EXPERIENCE

University of Connecticut

Graduate Teaching Assistant, Data Science with Python

May 2023 – May 2024

- Answered student queries on Data Science curriculum by providing academic and programming support.
- Grade and provide feedback on assignments and projects.

Bastion Health

Graduate Fellowship

Jan 2024 – May 2024

- Spearheaded data-driven analysis to optimize touchpoint frequency, identifying the precise number of touchpoints needed to secure meetings with potential clients, resulting in enhanced efficiency and conversion rates.
- Implemented predictive models to forecast meeting-setting likelihood via cold calls, tailored to industry type and employer size, driving revenue maximization strategies and informed decision-making.

FACTSET Research Systems

Software Engineer (Data Engineer) Hyderabad, India

May 2020 – July 2022

- Developed automated data pipelines in C# and python for collecting and integrating data
- Maintained and migrated SSIS and ELT packages to python and performed FTP operations in finance sector
- Extensive SQL querying for Reporting and Analyzing data to support the ETL pipelines on prem servers
- Collaborated with cross-functional, technical, and business stakeholders as lead engineer in agile methodology to redesign data warehouse in SQL which impacts active data consuming clients, improving on business performance and optimization
- Performed data migrations and delivered 30% increase in efficiency in data automation with PySpark
- Experience using dockers in AWS to perform Incremental data loads and initiated pre-signed multi-part uploads into s3 buckets with AWS lambda functions
- Resolved 500+ data issues to improve efficiency in production by continuous monitoring.
- Enhanced performance monitoring through the automation of monthly report generation using scheduled Python, SQL scripts and the creation of interactive dashboards for organizational leadership.

Kenexsoft Technologies

Data Science Intern, Hyderabad, India

April 2020 – May 2020

- Elicited user requirements by conducting brainstorming sessions, determined project scope, user stories, roadmap deliverables in accordance with project requirements to enhance product development
- Engineered a project aimed at streamlining the hiring process by efficiently identifying the most suitable candidates for specific roles, resulting in a 25% reduction in candidate search time
- Designed and implemented NLP model utilizing GloVe embeddings, integrated it into a Flask application

FOUNTANE Makers Space PVT LTD

Data Science Intern, Hyderabad, India

May 2019 – June 2019

- Organized and preprocessed eye patient data to employ advanced data analysis techniques to advice recommendations
- Identified metrics and developed a supervised model achieving an 82% accuracy in forecasting results

ACADEMIC PROJECT EXPERIENCE

- **Regression Analysis with Custom Metric:** Utilized a Random Forest model to predict the next consecutive years' top 5 MVP players, achieving an 88% accuracy with a custom error
- **Convolution Neural Network Model:** Developed an automated image recognition system in Python for effortless attendance marking. The system utilizes OpenCV with a haarcascade XML model to detect and capture faces and incorporates a classification model based on Facenet in Keras, achieving an accuracy of 88.4%

SKILLS

- **Programming:** SQL, MYSQL, Python (Pandas, NumPy, Matplotlib, Scikit-learn), Data Structures, C, C++
- **IDE/Tools/Software:** SAS, JMP, Django, MS Excel, MS Project, MS Visio, Jira, Tableau, Linux, Git, PowerBI
- **Analytical/Business:** Data Visualization, Exploratory Data Analysis, Data Mining, Machine learning, Deep Learning, CNN, RNN, clustering, forecasting, Spark, Statistics, Big Data, statistical modeling, SAAS, AWS cloud, Monte Carlo Simulation, Hypothesis Testing, Project Leadership, Project Management and Leadership.