

Lokesh Venkata Sai Mamidi

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EXPERIENCE

- IBM | Data Scientist | Full Time | Bangalore, India** Sep 2020 - Jun 2022
- Leveraged expertise in **Python** and **PySpark** by being a key member of the Analytics team for a prominent client
 - Empowered stakeholders with data-driven insights by conducting in-depth analysis of sensor data and delivering findings on vehicle performance through more than 10 intuitive **Tableau** dashboards
 - Designed event detection templates that streamlined development processes, reducing the time by 50%
 - Collaborated with cross-functional teams, achieving a 97% performance boost through effective **debugging** and issue resolution
 - Achieved industry recognition as the top performer during H1 2021, earning the "**Best GBS Associate Award**"
- IBM | Data Specialist Intern | Full Time | Bangalore, India** Jan 2020 - Jun 2020
- Contributed to a contract analysis project applying **ML and DL** models to identify non-compliant clauses within legal contracts, achieving a 95% accuracy rate
 - Created a **Watson Assistant chatbot** delivering critical COVID updates and essential resources to thousands of staff during the pandemic
 - Developed tools, including recommendation **APIs** and a report generator, reducing chatbot evaluation time by 30% and enhancing overall efficiency

SKILLS

Languages: Python, Java, C, SQL | **Technologies:** Machine Learning, Deep Learning, AWS, DBMS | **Frameworks:** Pyspark, Flask | **Web Development:** HTML, CSS, Bootstrap | **Tools:** GIT, Tableau, IBM Watson Assistant | **Methodologies:** Agile Project Management, Object-oriented programming, Debugging

EDUCATION

Master of Science in Computer Science | George Mason University, VA, USA | **CGPA - 3.95** Aug 2022 - May 2024
Bachelor of Technology in Computer Science | NIIT University, India | **CGPA - 8.83** Jun 2016 - Jul 2020

PROJECTS

- Credit Card Fraud Detection** Jan 2023 - May 2023
- Led a comprehensive research project utilizing machine learning techniques to prevent financial losses from credit card fraud, enhancing the overall model performance by 6% through iterative experimentation and improvement
 - Acquired experience in Advanced Machine Learning and **data-balancing** techniques
- Employee Churn Prediction** Aug 2019 - Dec 2019
- Developed a web application for HR to estimate employee churn and calculate satisfaction levels through a survey to predict churn with 97% accuracy
 - Enhanced knowledge in **PyCharts, Flask**, and Machine Learning techniques
- Movie Recommendation Engine** Jan 2019 - Apr 2019
- Engineered a web application that delivers tailored movie recommendations by analyzing the behavior of thousands of users across a vast selection of films
 - Utilized Python Flask and **Machine Learning** algorithms to generate recommendations
- Measurement of shirt size** Jan 2019 - Apr 2019
- Managed a team of four to create a Python application that predicts user shirt sizes with 85% accuracy using uploaded photos and **published a research paper** on the project in the IJEAT Journal 2019
 - Attained skills in **image processing** and predictive analysis

ACHIEVEMENTS

- Graduate Teaching Assistant** | George Mason University, VA Jan 2023 - Present
- As a GTA for Data Mining and Information Security Theory courses with 70+ students, delivered constructive feedback, conducted grading, and pinpointed areas for enhancement, resulting in improved class performance

CERTIFICATIONS

- AWS Certified Machine Learning - Specialty Jan 2021 - Jan 2024
- IBM AI Associate Data Scientist Jun 2021
- Microsoft Certified Azure and AI Fundamentals Apr 2021
- IBM AI Skills Academy Machine Learning Explorer Nov 2020