

Lokesh Venkata Sai Mamidi

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EXPERIENCE

- George Mason University | Graduate Teaching Assistant (Fairfax, VA, USA)** Jan 2023 - Present
- Facilitate weekly review sessions to enhance student comprehension of course concepts and assignments for the Data Mining and Information security theory courses with 70 students
 - Provide constructive feedback and grades of assignments and exams to students, identifying areas for improvement
- IBM | Data Scientist (Bangalore, India)** Sep 2020 - Jun 2022
- Leveraged expertise in Python and Pyspark by working in the Data Analytics team of MBRDI
 - Aided stakeholders in making informed decisions by analyzing sensor data and presenting findings on vehicle performance via 10+ intuitive Tableau dashboards
 - Reduced development time by 50% by designing event detection templates
 - Boosted performance to 97% by troubleshooting the critical bugs
- IBM | Data Specialist Intern (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 for ICMR, benefiting thousands of staff by providing information on COVID
 - Deployed recommendation APIs and a K-fold report generator to reduce chatbot evaluation time by 30%

SKILLS

Technical: Python, PySpark, Tableau, C, Data Structures, Java, Flask framework, DBMS, Machine Learning, Deep Learning, AWS and Web technologies including HTML, CSS and Bootstrap

Tools: Git, PyCharm, MySQL Studio, IBM Watson Assistant

Other Skills: Debugging, Agile Project Management

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 aimed at preventing financial losses due to credit card fraud using machine learning techniques. Enhanced overall model performance by 6% through careful experimentation and iterative 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
 - Gained experience using PyCharts, Flask, and Machine Learning techniques
- Movie Recommendation Engine** Jan 2019 - Apr 2019
- Engineered a user-friendly web application that recommends movies based on user preferences
 - Utilized Python Flask and Machine Learning algorithms to generate recommendations
- Measurement of shirt size - Image Processing** Jan 2019 - Apr 2019
- Managed a team of 4 to create a Python application that accurately predicts the user's shirt size with 85% accuracy using uploaded photos. Published a research paper on the project in the IJEAT Journal 2019
 - Attained skills in image processing and predictive analysis

ACHIEVEMENTS

- Recognized as the top performer in the 1st half of 2021, achieving the "**Best GBS Associate Award**" from IBM
- Earned **100% scholarship** for a bachelor's degree from NIIT University, showcasing academic excellence

CERTIFICATIONS

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