Aman Jaglan

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EDUCATION

GEORGE WASHINGTON UNIVERSITY — Washington, DC
Master's in Data Science — Expected May 2025
Cumulative GPA: 3.73/4.0; Global Leaders Award
Relevant Coursework: Deep Learning, Machine Learning, NLP, Data Warehousing, Data Mining

MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY — Delhi, India
B.Tech in Information Technology — Aug 2018 - May 2022
Relevant Coursework: Data Structures, OOPS, AI, Java, Cloud Computing, Computer Networks

WORK EXPERIENCE

Data Science Assistant, Columbian College of Art and Science, Washington, DC — August 2024 - Present
- Engineered solutions for AWS, CUDA, Nvidia, and RStudio issues, enabling students to execute machine learning models and work in a collaborative, Agile environment.
- Mentored students on Python, SQL, A/B testing, hypothesis testing, and data modeling.
- Designed and managed the Data Science Help Desk website, streamlining query support, data ingestion, and data integration processes.

Software Engineer, Protiviti,Gurgaon, India — Jun 2022 – July 2023
- Constructed a Salesforce-integrated calendar for client meetings and automated data migration to Azure Databricks for enhanced data accessibility.
- Initiated an automated data pipeline using Azure Data Factory and Databricks, improving data accuracy by 30% and enabling real-time analytics for business decision-making.
- Enhanced data analysis workflows through ETL processes in Azure SQL Database, ensuring efficient data cleansing and data modeling.
- Collaborated with cross-functional teams, integrating machine learning models into production, boosting system scalability by 40% and cutting processing time by 25%.

Data Scientist Intern, Budgetree, Noida, India — Aug 2021 – May 2022
- Engineered data pipelines and implemented predictive models using Python and SQL, driving a 15% increase in satisfaction through actionable insights.
- Architected a predictive churn model leveraging statistical modeling techniques, leading to a 12% reduction in churn.
- Devised an expense forecasting system using time series analysis, improving accuracy by 20% and optimizing budgeting strategies.

Melody Generator[Academic]
- Formulated a PyTorch-based melody generator using GRU, LSTM (8-head attention), and a variational autoencoder.
- Created a Streamlit app for real-time music sheet generation, playback, and dynamic model switching.
- Improved user satisfaction by 35% through model comparisons with visual and auditory feedback to refine outputs.

Image Classifier[Academic]
- Developed a CNN **on** PyTorch for multi-class, multi-label classification using large-scale image data.
- Achieved classification of images into 29 distinct classes through data augmentation and model fine-tuning techniques.

TECHNICAL SKILLS

Data Science & Analytics: Data Modeling, Advanced Analytics, A/B Testing, Hypothesis Testing, Causal Inference, ETL, Data Pipelines, Data Integration, Data Ingestion, Big Data, Data Cleansing
Cloud Services: Google Cloud platform, AWS, Key Vault, Databricks, Azure DevOps, CUDA, Nvidia, Docker
ML Techniques: Regressions, Linear Models, Decision Trees, Random Forest, Naïve Bayes, LDA, KMeans Clustering, KNN, Time Series Analysis, Neural Networks
Programming Languages: Python, SQL, C++, Java, MongoDB, Apache Spark, Html, Xml, Ruby
Software and Tools: Tableau, PowerBI, Flask, Pycharm, Anaconda, Git, Streamlit, Django, Visual Studio, Unix, Linux