Atishay Jain

DATA SCIENTIST

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Professional Summary

Data Scientist with expertise in **Machine Learning**, **Statistical Analysis**, and **Data Engineering**. Proven track record in building **scalable ETL pipelines** on **Azure** and deploying **hybrid DL models** (LSTM/CNN) for healthcare and energy sectors. Skilled in transforming complex datasets into actionable business insights using **Python** and **SQL**.

Technical Skills

- **Data Science:** Python (Pandas, NumPy, Scikit-Learn), PyTorch/TensorFlow, LSTM Models.
- **Cloud Data:** Azure Data Factory, Databricks, Synapse, AWS (S3, Lambda).
- **Development:** SQL, NoSQL, React, TypeScript, ETL Pipelines.
- **DevOps & Tools:** Reproducible Workflows, Git, Docker.
- **Data Visualization:** Power BI, Tableau, Matplotlib, Seaborn.
- **Statistics & Math**: A/B Testing, Hypothesis Testing, Regression Analysis, Bayesian Inference.

Experience

HostyNest, Melbourne, Australia | Full Stack Engineer — Mar 2025 – present

- **Architected End-to-End Data Platform:** Served as the sole engineer, designing the full-stack architecture and **PostgreSQL database schemas** to manage user data and booking transactions securely**.**
- **Data-Driven UI Implementation:** Designed **Real-Time Data Dashboards** to visualize and analyze booking trends, syncing **1,000+ daily events** with **<200ms latency**, ensuring 99.9% booking accuracy.
- **Serverless Data Workflows:** Built **Serverless ETL Pipelines** using Supabase Edge Functions to automate data ingestion and processing, reducing manual entry by 40%**.**
- **Infrastructure & CI/CD:** Implemented automated deployment pipelines via **GitHub Actions** and integrated secure data handling protocols for payment processing systems.

Veersa Technologies India | Software Engineer — Aug 2023 – Jan 2025

- **Full-Stack Development:** Led backend and frontend development using **C#, ASP.NET, Visual Basic, Angular, PostgreSQL, and NoSQL**, enhancing system efficiency and scalability.
- **MVP Development & AI Integration:** Delivered a **Generative AI MVP** (React, Python) in just **3 weeks**, projected to save the client **$20,000 annually** in operational costs.
- **Text-to-Speech Implementation:** Integrated **AWS Polly** to enable **text-to-speech capabilities** in an e-learning portal, successfully deployed in **US-based education platforms.**
- **Cross-Functional Collaboration:** Collaborated cross-functionally using **JIRA** and **Git**, delivering client-facing product optimizations across three environments.
- **Awards & Recognition:** Recognized as "**Achiever of the Month**" twice (**Mar 2024, Jan 2023**) and nominated for "**Highflyer of the Month**" for delivering critical MVPs under tight deadlines.

Veersa Technologies India | Data Science Intern **Aug 2022 – Jul 2023**

- **Azure Data Engineering:** Orchestrated ETL workflows across **Azure Data Factory (ADF), Databricks, and Synapse** to optimize data pipelines for efficient processing.
- **Machine Learning & Deep Learning:** Implemented a **hybrid ML-DL model** for disease prediction, successfully **deployed in US hospitals** to enhance diagnostic accuracy.
- **AI-Powered Document Processing:** Developed a **handwritten document processing solution** using **AWS Textract, S3, ECR, Lambda, EC2, Python3, Flask, VueJs, and MSAL**, enabling automated extraction and storage of medical and insurance forms.

EdenEco Smart Homes | Software Development Engineer Intern **Nov 2020 – Jan 2021**

- **Deep Learning Model Development:** Developed an **LSTM-based deep learning model** to predict **hourly electricity consumption** for the **AEP Power Grid**.
- **Time Series Forecasting:** Applied **advanced deep learning techniques** to analyze energy consumption patterns and improve forecasting accuracy.
- Received "**Certificate of Excellence**" for the successful development and high accuracy of the LSTM energy forecasting model.

Education

Deakin University, Master of Data Science (Professional) **Mar 2025 – Nov 2026 (Expected)**

86%, *Melbourne, Australia*

AKTU, Bachelor of Technology (Information Technology) **Aug 2019 – Jun 2023**

86.7%, Uttar Pradesh, India

Publications

1. Gupta, P., Kumar, S., Vardhan, H., Singh, S., Singh, A., & **Jain, A**. (2023, February). **CNN & M-BDLSTM Usage to Forecast Hourly Energy Use**. In 2023 1st International Conference on Intelligent Computing and Research Trends (ICRT) (pp. 1-8). IEEE.
2. Singh, S., Swaroop, B., Kumar, S., Singh, A., & **Jain, A**. (2023, February). **Real-Time Surveillance System for Women's Safety and Crime Detection in Public Area**. In 2023 1st International Conference on Intelligent Computing and Research Trends (ICRT) (pp. 1-6). IEEE.