

Ansh Chandra

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SKILLS

Programming: Python, SQL, PySpark, C/C++, HTML/CSS
Libraries & Visualization: NumPy, Pandas, Matplotlib, Seaborn
Databases: MySQL, PostgreSQL, Sql WorkBench
Cloud & Tools: AWS, Jupyter Notebook, PyCharm, Power BI, Power Query, Databricks
Miscellaneous: Excel, Word, PowerPoint, Microsoft Office, Data Modeling, Statistics
Soft Skills: Problem-solving, Decision Making, Strategic Planning, Analytical Thinking

WORK EXPERIENCE

Cloud Engineer, Airish Technologies January 2025-April 2025

- Advised clients on suitable AWS services and led end-to-end migration of 5+ websites/applications from on-premise and alternative cloud platforms to AWS, reducing infrastructure costs by 20 percent.
- Configured AWS infrastructure by using AWS services and ensured smooth deployment and testing, cutting average go-live time by 30 percent

Data Analyst Intern, Central Electronics Limited December 2023-January 2024

- • Cleaned and preprocessed a 3,000-row website traffic dataset using Azure Databricks, PySpark, Pandas, and NumPy, reducing data inconsistencies by 95%.
 - Performed analysis of user sessions, engagement metrics, and traffic sources via PySpark aggregations and SQL queries, identifying 3 key drop-off points in the user journey.
 - Built heatmaps, engagement trend charts, and traffic-pattern visualizations using Matplotlib and Seaborn, directly informing a content strategy that improved average session duration by 15%.

Analyst, DRDO-Defence Research and Development Organisation June 2023-September 2023

- • Extracted and cleaned a 4,000-datapoint dataset using Excel, reducing erroneous entries by 90 percent before loading into PostgreSQL for structured querying.
 - Designed and delivered a fully dynamic Power BI dashboard connected to PostgreSQL, enabling real-time visualization of 10+ KPIs and cutting manual reporting time by 50%

PROJECTS

Churn Prediction Model

- Built an end-to-end churn prediction pipeline on a 10,000-record bank customer dataset using Python (Pandas, NumPy, scikit-learn, TensorFlow) in Jupyter Notebook.
- Compared 4 classification algorithms (Logistic Regression, Random Forest, XGBoost, Neural Network); achieved 86% accuracy with the TensorFlow neural network — a 6% improvement over the baseline.
- Created EDA visualizations (heatmaps, churn distribution charts) using Matplotlib and Seaborn, surfacing top 5 churn drivers including tenure, balance, and product count.

Sales Performance Dashboard (Power BI)

- Developed an interactive Power BI dashboard on a 5,000-row retail sales dataset, integrating slicers, drill-through pages, and DAX measures to track revenue, regional trends, and YoY growth.
- Connected to a PostgreSQL backend and used Power Query for data transformation, enabling automated daily refresh and eliminating manual Excel-based reporting.

SQL-Based E-Commerce Analysis

- Wrote 20+ complex SQL queries (CTEs, window functions, subqueries) on a multi-table e-commerce database to analyze customer LTV, product return rates, and seasonal demand patterns.
- Documented findings in a structured report with visualizations, identifying a 22% revenue opportunity from cross-sell recommendations.

EDUCATION

2021 - 2025 B.Tech in Information and Technology, **Manipal University Jaipur**
2020 Class 12th, ASN Senior Secondary School
2018 Class 10th, ASN Senior Secondary School

CERTIFICATIONS

Data Analytics Certificate – IIT Roorkee
AWS Partner: Accreditation (Technical)