

Mohan Chand

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SUMMARY

3+ years of overall experience, including 1 year of hands-on work in Data Engineering. Skilled in designing and maintaining ETL pipelines, managing data integrations, and working with large datasets. Experienced in leveraging Apache Spark and SQL to build and optimize data workflows. Actively building expertise in modern data engineering practices and scalable data solutions.

EXPERIENCE

Software Engineer

EY

Oct. 2021 – Jan. 2025

Gurugram

- Built scalable Python scripts using Langchain to integrate GPT-4 for intelligent task automation; deployed results using Streamlit for an intuitive user interface. – "EY Internal Tool"
- Conceptualized a big data architecture on Azure, employing Data Factory, Databricks, and Azure Functions; this enabled real-time financial trend analysis, reducing anomaly detection time by 50%. – "DL Chemicals"
- Designed and optimized relational database schemas and data warehouse models using advanced SQL, improving query performance by 40% and enhancing support for financial analytics and reporting. – "DL Chemicals"
- Developed real-time Power BI dashboards for dynamic financial data visualization, enabling data-driven decisions across business units. Implemented Git-based version control with CI/CD pipelines and testing frameworks, reducing deployment errors by 30% and ensuring reliable model delivery. – "EY Internal Tool"
- Automated invoice data extraction using Azure Form Recognizer and Vision OCR, reducing manual processing time by 60% and minimizing error rates in financial documentation. – "EY POC"
- Led the migration of Blue Prism automation bots to a China instance, resolving environment-specific errors and minimizing downtime. – "China based corp."

Software Intern

Samsu Pro Consulting Solutions Pvt Ltd

Nov. 2020 – Jan. 2021

Bengaluru

- Fashioned deep learning models (CNN, RNN, LSTM) from scratch leveraging NumPy, allowing for customized model configurations, resulting in a 10% improvement in prediction accuracy.
- Built a COVID-19 prediction model using Chest X-rays via Keras and PyTorch CNN architectures.

PROJECT

Spotify Recommendation system

Self Made

- Developed a content-based music recommendation system using Spotify Web API and Python for personalized song suggestions.
- Extracted audio features such as tempo, energy, and danceability, and applied cosine similarity to identify sonically similar tracks.
- Optimized the data pipeline using Pandas and Scikit-learn, and visualized recommendations with Matplotlib and Seaborn to improve user interpretability.

TECHNICAL SKILLS

Languages: Python, SQL , HTML/CSS

Packages: PySpark, NumPy, Pandas, Matplotlib, SciPy, Scikit-learn, Seaborn

Database: MySQL, PostgreSQL

Data Ecosystem: Snowflake, Databricks, Apache Airflow

Developer Tools: Jupyter Notebook, Power BI, Microsoft Azure, Git, VS Code

Automation: Blue Prism

EDUCATION

Guru Gobind Singh Indraprastha University

Bachelor of Technology in Electronics and Communication Engineering

Delhi, India

Aug. 2017 – Jun. 2021