



ANANYA AGRAWAL

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Links: LinkedIn, GitHub

SKILLS

Programming Languages: Python(Proficient), SQL(Proficient), R(Intermediate), Java(Basic), C++(Basic)

Cloud Platforms: Microsoft Azure(Proficient), DataBricks(Proficient), AWS(Basic), GCP(Basic)

Data Engineering & Analytics: ETL, Data Modeling, Data Warehousing (DWH), Data Lakehouse

Visualization, Reporting & BI Tools: Tableau, Power BI, SAP, Client Reporting

DevOps & Containers: Azure DevOps, Docker, CI/CD Pipelines

Visualization & Reporting: Tableau, SAP, Client Reporting

Languages: English(Fluent), German(Conversational), Hindi(Native)

EDUCATION

Master of Applied Science | Data Science

Frankfurt School of Finance & Management

Sept. 2022 – 2024

Frankfurt am Main, Germany

Relevant Courses: Big Data & Analytics Technologies, Algorithms & Data Structures, Databases & Cloud Computing, Machine Learning

Thesis: Infringements Detection in Football Merchandise: Develop an AI model leveraging NLP to identify infringements in football merchandise. This thesis is conducted in collaboration with BluePort Legal, a German law firm.

Bachelor of Technology | Civil Engineering

APJ Abdul Kalam Technological University

May. 2014 – May 2019

Mathura, India

Relevant Courses: Algorithms, C++, Mathematics

WORK EXPERIENCE

Intern as Data Engineer

Reghub - Regulatory compliance management company

November 2024 – Present

Hamburg, Germany

- Developing and deploying an AI model on BluePort's Legal infrastructure to detect counterfeit merchandise for football clubs facing unauthorized online sellers. Built the architecture from scratch on Azure Cloud using a maintained database, Databricks, Azure Storage, and Data Factory, integrated with strong security measures, and leveraged an LLM model for detection.

Intern as Data Engineer

Deloitte

September 2023 – Nov 2024

Frankfurt, Germany

- Engineered robust data ingestion pipelines on Microsoft Azure for a reputed German automotive client, leveraging Azure Data Factory (ADF) and Databricks to streamline ETL processes and support monthly sales forecasts.
- Developed custom Python functions tested with Pytest and rolled out updates using Azure DevOps CI/CD pipelines with Git for version control.
- Collaborated in Agile development cycles, actively participating in daily stand-ups and sprint meetings to ensure cross-departmental alignment and timely project delivery.

Working Student as Data Analyst

Standard Chartered Bank AG

March 2023 – Aug 2023

Frankfurt, Germany

- Automated monthly revenue reporting and client portfolio analysis for Correspondence and Transaction Banking Sales using Python scripting, streamlining processes and saving 80% of time.
- Created visual dashboards to represent revenue and sales data using Tableau.
- Analyzed client portfolios to identify targeted marketing opportunities, driving increased sales.

Project Engineer

AECOM

January 2020 – Oct 2022

Gurugram, India

- Spearheaded the analysis and design of the CDB project for the Indian Navy, overcoming complex structural challenges by developing innovative, cost-effective solutions. Additionally, monitored project milestones and leveraged dynamic dashboards to ensure timely delivery and adherence to budget.
- Mentored a team of junior engineers, fostering their growth and collaborative problem-solving skills.

Design Engineer

CTCI

March 2019 – Jan 2020

Noida, India

- Provided management and technical consultancy for the Adani project, while reporting project progress to clients and collaborating across departments in an Agile environment to deliver comprehensive solutions.

Design Engineer

Roark Consulting Engineer LLP

August 2017 – Mar 2019

Noida, India

- Performed project cost estimation, designed industrial and metro buildings, and prepared detailed documentation using Excel. Additionally, resolved client queries, conducted site inspections, and ensured rigorous quality control during project execution.

CERTIFICATIONS

Databricks Certified Data Engineer Associate certification

July 2024

- Learned to design and implement data pipelines, optimize/manage data workflows, and ensure data security/governance on Databricks.

Microsoft Azure DP-203 Professional Certificate

November 2024

- Gained proficiency in designing, building, testing, and maintaining cloud applications and services on Microsoft Azure.

IBM Introduction to Data Engineering Certificate

February 2025

- Acquired foundational expertise in designing robust data pipelines, mastering ETL processes, and implementing scalable cloud-based data management solutions.

SAP Professional Fundamentals Certificate

February 2025

- Earned the SAP Professional Fundamentals certificate, gaining essential insights into SAP architecture, core modules, and effective business process integration.

DeepLearning.AI Certification

February 2023

- Learned to design and implement data pipelines, optimize/manage data workflows, and ensure data security/governance on Databricks.

Graduate Management Admission Test (GMAT)

March 2022

PROJECTS

AI Model for Financial Peer Monitoring: Created an AI model for financial companies to monitor peers using Generative AI (GenAI). Conducted in collaboration with Reghub, a German financial consultancy.

Music and Movie Recommendation Engine: Developed a recommendation engine using the K-Means clustering algorithm.

Future Stock Price Prediction: Implemented a deep learning model to predict future stock prices.

Audio Recognition: Created an audio recognition system using Dynamic Time Warping (DTW) and Recurrent Neural Networks.

Date: March 2, 2025, Frankfurt am Main

