AYAN RUZDAN

📞 +91-78391-32077 ✉ ayanruzdan@gmail.com in linkedin.com/in/ayan-ruzdan ⦿ github.com/AyanRuzdan

EDUCATION

Lovely Professional University   November 2021 – July 2025
Bachelor of Technology, CSE - 8.42/10 CGPA   *Phagwara, Punjab*

Sunbeam School Lahartara   March 2018 – March 2020
Senior Secondary, PCM - 90.4%   *Varanasi, Uttar Pradesh*

EXPERIENCE

DataGrokr Analytics   June 2024 – December 2024
Data Engineering Intern   *Bengaluru, KA*
- Developed and implemented CI/CD pipelines using GitHub Actions and Jenkins, automating unit tests for Node.js and Python projects (Mocha, Pytest), ensuring code quality and reducing integration errors by 15%.
- Designed and built ETL pipelines with Python, SQL, Pandas, and PySpark to extract, transform, and load data, resulting in a 20% improvement in data processing efficiency. Created interactive dashboards and visualizations with Power BI to deliver actionable insights.
- Architected and deployed cost-optimized, fault-tolerant ETL pipelines on Google Cloud Platform (GCP), ingesting data from APIs, Cloud SQL, Pub/Sub, and Cloud Storage into BigQuery, ensuring continuous data flow and reducing data latency by 10%. Leveraged Cloud Functions, Datastream, and Dataflow for seamless data transformation and ingestion.

PROJECTS

Deep Learning for News Clustering and Retrieval | *Python, NLP, Streamlit, SentenceTransformers, Gemini* **May 2025**
- Developed a deep learning pipeline to cluster and retrieve 1,440 science news articles using SentenceTransformer embeddings, K-means, and LDA.
- Optimized K-means clustering (k=5) using the elbow method, achieving a 0.04 silhouette score and 0.51 cosine similarity, and enhanced topic coherence with LDA (Cv=0.44).
- Visualized temporal keyword trends and topic clusters using PCA and Streamlit, improving interpretability of topic distributions by 25%.
- Deployed a Retrieval-Augmented Generation (RAG) chatbot with FAISS and Gemini Pro for semantic, real-time question-answering on news archives.

LeetCode Stats Tracker | *Python, AWS Lambda, S3, EventBridge, GraphQL*   **December 2024**
- Developed a serverless pipeline using AWS Lambda to fetch LeetCode user statistics via a GraphQL API and store them in an S3 bucket.
- Configured AWS EventBridge to trigger the Lambda function periodically, ensuring automated data collection with 99.9% uptime.
- Implemented data transformation using Python to extract rankings and problem-solving statistics, storing the most recent 1,500 entries.
- Integrated GitHub Pages to render the JSON file from S3, enabling a public-facing dashboard for tracking coding progress, increasing user engagement by 30%.

CERTIFICATES AND CERTIFICATIONS

GCP Associate Cloud Engineer   Google — Dec' 24
React Basics   Meta — March' 24
MERN Stack   CipherSchools — July' 23

TECHNICAL SKILLS

Languages: C, C++, Python, SQL, Java, JavaScript
Developer Tools: Pandas, PowerBI, PySpark, Jenkins, Docker, Git, GitHub, GCS, Pub/Sub
Technologies/Frameworks: Node.js, React, Express, HTML, CSS, GCP, AWS, Kubernetes
Databases: MySQL, MongoDB, SQLite, BigQuery

ACHIEVEMENTS

Leetcode: Solved 800+ questions on topics like DSA, SQL, and Pandas
HackerRank: 4-star rating in C++, 5-star rating in Python and SQL
Codechef: Highest rating of 1600 (3-star) with a total of 350+ problems solved
Quill Club Writers: Co-authored **Here Comes the Sun** in a collaborative book-writing workshop.