

ADARSH KUMAR MAURYA

Bangalore, 560048, India

+91 9508707380 amaurya4570@gmail.com linkedin.com/in/akmaurya7

Professional Summary

B.Tech Computer Science student with hands-on experience in Machine Learning, Deep Learning, NLP, Data Engineering, and Cloud Computing. Skilled in building end-to-end AI applications, ETL pipelines, and scalable data solutions using Python, Scikit-learn, TensorFlow, Keras, Apache Spark, Apache Kafka, SQL, and AWS. Passionate about developing production-ready machine learning models and data-driven applications to solve real-world problems.

Technical Skills

Languages: Python, Java, SQL

Machine Learning: Scikit-learn, TensorFlow, Keras, NLP, Deep Learning, Computer Vision, CNN, VGG16

Data Science: Pandas, NumPy, Matplotlib, Seaborn, NLTK

Big Data & Data Engineering: Apache Spark, PySpark, Apache Kafka, Apache Airflow, Snowflake, dbt, AWS Glue, ETL Pipelines, Databricks

Cloud: AWS (S3, EC2, Glue, Athena, Lambda, IAM), Google Cloud Platform

Databases: MySQL, PostgreSQL, Oracle

Deployment & Visualization: Streamlit, Heroku, Power BI, Looker Studio

Core Concepts: Data Structures & Algorithms, DBMS, OOP, Operating Systems, Data Modeling

Professional Experience

Oracle Financial Services Analytical Applications (OFSAA)

Rumango, Jan 2026 – Present

Oracle Financial Services Analytical Application Trainee

- Executed data processing and analytics workflows using OFSAA platform for large-scale financial data management and regulatory reporting.
- Gained hands-on experience with enterprise data warehousing, ETL pipeline design, and large-scale structured data handling.
- Applied data modeling and data integration techniques to support compliance reporting in enterprise financial systems.
- Collaborated with cross-functional teams to understand data flows, business rules, and reporting requirements.

Amazon Web Services (AWS)

Ingenious-tech, June 2024 – July 2024

Cloud & Data Engineering Intern

- Worked with AWS services including EC2, S3, VPC, IAM, Lambda, Glue, Athena, RDS, Auto Scaling, Elastic Load Balancer, and Route 53 to build cloud-based solutions.
- Built ETL pipelines using AWS Glue, queried data with Amazon Athena, and managed scalable data storage and processing workflows on AWS.
- Gained hands-on experience in cloud infrastructure provisioning, networking, security, serverless computing, and scalable data architectures.

Projects

Face Mask Detection using Deep Learning

Python, TensorFlow, Keras, OpenCV, CNN, VGG16

- Developed a deep learning-based computer vision application for automatic face mask detection.
- Implemented transfer learning using the pre-trained VGG16 Convolutional Neural Network for robust image feature extraction.
- Trained and evaluated the model using TensorFlow and Keras for binary image classification.
- Built a real-time face mask classification system suitable for intelligent surveillance and safety monitoring applications.

End-to-End Banking Data Engineering Pipeline

Python, Apache Airflow, PostgreSQL, AWS S3, Snowflake, dbt, Power BI

- Developed an end-to-end banking data pipeline to ingest and process transaction data using Python and Apache Airflow.
- Built scalable ETL workflows to extract, transform, and load banking datasets into Snowflake for analytics.
- Designed an Amazon S3 data lake to store raw and processed datasets with efficient partitioning strategies.

- Implemented analytics-ready data models using dbt and automated workflow orchestration through Apache Airflow DAGs.
- Created Power BI dashboards to visualize customer insights, transaction trends, and business KPIs.

Duplicate Question Pairs Detection (End-to-End NLP Project)

Python, Scikit-learn, NLP, Streamlit, Heroku

- Developed an end-to-end Natural Language Processing (NLP) application to identify duplicate questions inspired by the Quora Question Pairs challenge.
- Performed text preprocessing including tokenization, stop-word removal, stemming, TF-IDF feature extraction, and similarity engineering.
- Built and evaluated multiple machine learning models to classify semantically similar question pairs with high accuracy.
- Designed an end-to-end prediction pipeline and deployed the production-ready application on Heroku for real-time inference.

Education

Silicon University, Bhubaneswar, Odisha	2022 – 2026
<i>Bachelor of Technology (B.Tech) in Computer Science and Technology</i>	<i>CGPA: 8.3 / 10</i>
Khadimul Islam Inter College, Patna, Bihar	2022
<i>Intermediate – Science Stream</i>	<i>Score: 75.2%</i>

Certifications and Achievements

- AWS Cloud / Data Engineering Internship Certificate
- SQL (Intermediate) Certification – HackerRank
- Cisco Networking Academy: Introduction to Data Science
- AWS Cloud Practitioner Essentials – Amazon Web Services
- Data Engineering Foundations – AWS Skill Builder
- Smart India Hackathon (SIH) 2024 – Team Leader; Cleared College-Level Selection Round