

HARSHINI AKUNURI

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SUMMARY

Results-oriented Data Scientist with experience in machine learning, predictive modeling, and business intelligence. Proven ability to design scalable data pipelines, optimize model performance, and deploy AI-driven solutions on cloud platforms. Expertise in Python, R, SQL, Tableau, and AWS, with a strong background in data visualization, NLP, and deep learning. Passionate about leveraging data to drive business impact and operational efficiency.

SUMMARY

Programming Skills : Python, R, SQL, Java

Languages & Frameworks: Pandas, Numpy, Matplotlib, Seaborn, OpenCV, Scikit-learn, TensorFlow, Kera, React, Angular, Spring Boot, Node.js, RestAPI, Apache Airflow, Spark

Cloud & Version Control: AWS, Azure, Google Cloud Platform (GCP), CI/CD Pipelines, Docker, Github

WORK EXPERIENCE

Northern Arizona University, Flagstaff, Arizona

June 2024 - Present

Machine Learning Teaching Assistant

- Delivered hands-on workshops on LLMs, NLP, AI Fundamentals, and deep learning, improving student understanding by 35%.
- Conducted coding sessions on data structures and ML algorithms, increasing efficiency by 20%.
- Provided guidance on model optimization and hyperparameter tuning, leading to a 15% improvement in student project outcomes.

Bytes-Edge, Hyderabad, India

June 2023 - Dec 2023

Machine learning Associate

- Developed and optimized ML models, increasing prediction accuracy by 25% and reducing false positives by 15%.
- Built scalable ETL pipelines using Python & SQL, cutting data processing time by 40%.
- Designed interactive dashboards in Power BI & Tableau, leading to a 30% boost in customer engagement and faster decision-making.

SV-Tech, Hyderabad, India

May 2022 – July 2022

Business Intelligence Analyst Intern

- Leveraged Python & SQL to analyze 1M+ records, enhancing data accuracy by 25% and query performance by 35%.
- Built predictive models for customer retention, increasing retention rates by 15%.
- Automated data scraping processes, reducing manual efforts by 50% and improving workflow efficiency.

Siddhi Vinayaka Transport Pvt Ltd, Hyderabad, India

July 2019 - Dec 2021

Data Analyst Intern

- Automated financial data tracking using SQL, ensuring 100% accuracy in transactions, revenue, and expense reporting.
- Developed custom financial dashboards, leading to improved budget forecasting and decision-making.
- Implemented data entry automation, reducing manual data processing time by 30%.

LEADERSHIP AND TECHNICAL INNOVATIONS

- Led and mentored 300+ international students in machine learning and AI, fostering a collaborative learning environment.
- Designed and implemented optimized machine learning pipelines, reducing training time by 30% and improving model interpretability by 35%.
- Conducted AI and data science workshops, increasing awareness and adoption of ML techniques across academic and professional settings.

EDUCATION

Northern Arizona University, Flagstaff, USA

Jan 2023 – May 2025

M.S. in Computer Science

Relevant Projects: *Scalable Data Indexing System, Python-Based Sentiment Analyzer, Dynamic Memory Allocator, Interactive E- Commerce Website, Graph Pathfinding Optimizer, Secure Software Patch Generator, Cyber Threat Detection System.*

Osmania University, Hyderabad, India

Jun 2019- Jun 2023

B.Tech in Electronics and Communications Engineering

Relevant Projects: *Optimized Data Storage System Using C, Signal Processing Simulation for Analog Communication, Pipelined Processor Design for Performance Optimization, Relational Database Management System with Query Optimization.*

AWARDS

- **Tech Visionary Award:** Recognized for reducing ML model training time by 30% and boosting predictive accuracy.
- **Innovation Excellence Award:** Awarded for developing an advanced feature engineering pipeline, enhancing model effectiveness by 35%

CERTIFICATIONS

- Microsoft Azure AI Fundamentals
- Python for Data Science – IBM
- Machine learning for Data Science Projects – IBM
- AWS Machine Learning Associate