

Hritika Doshi

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EDUCATION

Boston University

Masters; Computer Information Systems

NMIMS

Bachelors; Computer Science and Business Systems

Boston, MA

August 2023 - December 2024

Mumbai, MH

July 2019 - May 2023

SKILLS

Programming Language: Java, Python, C/C++, SQL (PostgreSQL, MySQL), JavaScript, HTML/CSS, R, PHP

Frameworks: Pytorch, React, Node.js, Flask, Android Studio, WordPress, EastAPI, Terraform, Ansible

Developer Tools: Git, Docker, AWS (S3, Redshift, EC2, Lambda), Google Cloud Platform, VS Code

Data Analysis and Visualization: Matplotlib, Apache Airflow, Tableau, Visual Studio Code, PyCharm, Eclipse

Libraries: TensorFlow, PyTorch, Pandas, NumPy, XGBoost

WORK EXPERIENCE

Boston University

IT Support Specialist

Boston, MA

May 2024 - Present

- Supported daily operations of the IT Help Center by managing over 30+ tickets per day, troubleshooting 90%+ of technical issues successfully, and providing solutions to end-users.
- Resolved over 30 support tickets daily with a first-contact resolution rate exceeding 90%, contributing to enhanced user satisfaction and enabling quicker recovery from technical issues by employing systematic troubleshooting techniques.
- Automated common troubleshooting workflows using Python scripts, reducing response time by 15%.

Radical AI

Data Engineer Intern

New York, NY

June 2024 - August 2024

- Designed and implemented scalable data ingestion workflows with Databricks and Snowflake, ensuring seamless integration into a data lake architecture.
- Developed robust data models and stored data in Cassandra and MongoDB to support high-performance applications.
- Optimized ETL processes, reducing data processing time by 25% through advanced scheduling and parallel execution.

Grivaa Capital

Application Developer Intern

Mumbai, MH

May 2022 - June 2022

- Built and tested full-stack applications using React for front-end and Teradata for backend database solutions.
- Automated data pipelines to populate a data warehouse and integrated with Cognos for reporting and visualization.
- Enhanced application performance by implementing caching strategies, achieving a 20% reduction in page load times.

PROJECTS

Aircraft Predictive Maintenance Model | Logistic Regression, RNNs, LSTM, Python, TensorFlow, SQL

- Proficient in predictive maintenance modeling, skillfully employing both **logistic regression**, RNN and statistics.
- Demonstrated outstanding performance with logistic regression achieving 98% accuracy, while **RNNs** achieved 87%, and **LSTM** excelled at 97% accuracy.
- Integrated machine learning models with real-time monitoring systems, enhancing operational efficiency.

Amazon Marketplace Management System: Database Design and Visualization | PostgreSQL, Snowflake, SQL, Tableau, Python

- Designed a robust data architecture using **PostgreSQL** and **Snowflake** to track inventory and KPIs.
- Built automated data pipelines and visualizations, improving decision-making efficiency by 30%.
- Implemented advanced **SQL** queries to support dynamic reporting and ad-hoc analysis.

Sign Language Recognition Model | YOLO, Python, OpenCV, TensorFlow

- Led a team of four in pioneering a Sign Language Recognition project, utilizing YOLO technology to develop a sophisticated model for real-time static and dynamic gesture classification.
- Implemented **YOLO** for real-time gesture classification, achieving 98% accuracy. Optimized data pipelines for real-time processing, improving model inference speed by 20%.
- Utilized **TensorFlow** and **OpenCV** libraries to streamline data preprocessing and model deployment workflows.

CERTIFICATIONS

Google Cloud Data Engineer

AWS Cloud Practitioner Essentials

Implement a Data Analytics Solution with Azure Synapse Analytics- Microsoft Badge

Google Data Analytics Capstone: Complete a Case Study

January 2025

September 2024

October 2024

November 2023