DISHA VASWANI

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EDUCATION

Northeastern University Sep 2021 - Aug 2023
Master of Science in Information Systems
Relevant Coursework: Advances in Data Sciences and Architecture, Data Science Engineering Methods and Tools, Algorithmic Digital Marketing

Gujarat Technological University Aug 2015 - May 2019
Bachelor of Technology in Electrical Engineering

SKILLS

Languages: *Python, SQL, JavaScript, Java*
ML Frameworks: *TensorFlow, PyTorch, Scikit-learn, SparkML, OpenCV, XGBoost, Random Forest, Pandas*
Tools & Platforms: *Docker, Kubernetes, Flask, FastAPI, Git, AWS, SageMaker, EC2, S3, Azure, Tableau, Power BI, Looker Studio*
Databases: *MySQL, SQL Server, MongoDB, Oracle*
Concepts: *Model Deployment, API Design, CI/CD, Data Modeling, Hypothesis Testing, Feature Engineering, Data Preprocessing, Clustering, Time-Series Forecasting, Anomaly Detection*

EXPERIENCE

Crocus IT LLC Oct 2024 - Present
Data Analyst
Frisco, Texas

• Analyzed and automated the processing of over 1 million records from a mix of cloud-based (AWS S3, Azure) and on-premise databases using Python (Pandas) and advanced SQL queries, significantly reducing manual workload and turnaround time for data analysis
• Built and maintained 10+ interactive dashboards and analytical reports in Tableau and Power BI, enabling cross-functional teams to track KPIs, monitor performance trends, and make data-driven business decisions across marketing, sales, and operations
• Delivered weekly summary reports and daily metric updates, while collaborating with teams in stand-ups and syncs to resolve blockers and align on priorities
• Met and exceeded performance targets by delivering results under pressure, solving complex data issues, and upskilling in SQL, Excel automation, and reporting workflows

Nokia Sep 2022 - Dec 2022
Machine Learning Engineer
Overland Park, Kansas, United States

• Developed and deployed ML models (Random Forest, XGBoost, CNNs) using Python, TensorFlow, and PyTorch to enhance marketing predictions, resulting in a 15% sales increase and 25% improvement in precision
• Built scalable training and inference pipelines with AWS SageMaker and Docker, ensuring robust model deployment and versioning
• Engineered end-to-end workflows including data preprocessing, clustering, and feature engineering using Pandas and Scikit-learn
• Integrated REST APIs via FastAPI to expose models within a no-code interface for end-user accessibility
• Evaluated and fine-tuned computer vision models (OpenCV, TensorFlow) to support novel imaging-based use cases

Civica India Pvt. Ltd. Nov 2019 - May 2021
Software Engineer
Gujarat, India

• Designed and managed SQL Server databases with complex stored procedures, triggers, and views; reduced query latency by 40% and improved overall backend performance
• Improved data integrity by 30% through rigorous implementation of unit, functional, and integration tests, ensuring accurate and reliable system outputs
• Participated in full-stack development for a public sector government portal, enhancing user-facing features and maintaining frontend logic using JavaScript, jQuery, and HTML/CSS
• Contributed to optimizing cross-platform web applications and implemented containerized deployment pipelines using Docker for smoother DevOps workflows

PROJECTS

Budget-Friendly Apartment & Roommate Finder
Python, XGBoost, Random Forest, K-Means, Isolation Forest, Facebook Prophet, Scikit-learn
• Built a price prediction model using regression algorithms (XGBoost, Random Forest) to estimate fair rental prices from historical housing data and neighborhood features
• Implemented roommate compatibility matching via clustering (K-Means) and cosine similarity scoring based on lifestyle, budget, and location preferences
• Designed interactive map-based search with dynamic filters for budget, amenities, and proximity to university/public transit
• Applied anomaly detection (Isolation Forest) to flag overpriced listings and time-series forecasting (Facebook Prophet) to predict rental trends
• Integrated recommendation algorithms (content-based filtering) to suggest alternative listings or neighborhoods, increasing user match options by up to 30% when preferred choices were unavailable
• Created a clean, intuitive interface focusing on accessibility and mobile-first design, reducing user search time by an average of 25% and improving engagement metrics (click-through rate) by 15% in prototype testing