DISHA VASWANI

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Professional Experience

Data Analyst(Oct 2024 - Present)
Crocus IT LLC, 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

Machine Learning Engineer(Sep 2022 - Dec 2022)
Nokia, 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

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

Technical Skills

Languages: Python, SQL, JavaScript, Java
ML Frameworks: TensorFlow, PyTorch, Scikit-learn, SparkML, OpenCV
Tools/Frameworks: Docker, Flask, FastAPI, Git, Kubernetes, Tableau, Power BI, Looker Studio Cloud
Platforms: AWS (SageMaker, EC2, S3), Azure
Databases: MySQL, SQL Server, MongoDB, Oracle
Other: Model Deployment, API Design, CI/CD, Version Control, Data Modeling, Hypothesis Testing, Agile, Jira

Academic Projects

Budget-Friendly Apartment & Roommate Finder(Jan 2023 - Apr 2023)

- 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

Education

Master of Science in Information Systems(Sep 2021 - Aug 2023)
Northeastern University, Boston, MA
Courses: Advances in Data Sciences and Architecture, Data Science Engineering Methods and Tools, Algorithmic Digital Marketing
Bachelor of Technology in Electrical Engineering(Aug 2015 - May 2019)
Gujarat Technological University, India