Het Bhavesh Shah

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Education

Master of Science in Information Systems   2024 - Expected June 2026
Santa Clara University, Santa Clara, California

- Relevant Coursework: NLP, ML, Deep Learning, DBMS, OOP, Distributed Systems, Data Analysis, Financial Accounting, Supply Chain Management , SPM.

Bachelor of Engineering in Information Technology   2019-2023
Gujarat Technological University, Gujarat, India

- Relevant Coursework: DSA, Software Engineering, Design and Analysis of Algorithms, OOPS, DBMS, ML, BDA, OS, CA along with participating in and managing events.

Professional Experience

Enterprise Data Analyst,Grammarly | *San Fransisco, CA*   Jan 2024 - Current

- Conducting SQL and Python-based data analysis to segment enterprise institutions using the MECE framework. Identifying growth opportunities, assessing product lifecycle stages, and developing strategies for user acquisition, retention, and engagement. Providing insights to optimize Grammarly's B2B offerings and drive sustainable growth.

Junior Web developer, Pegasus Design House | *Vadodara, India*   June 2023 – July 2024

- Developed and maintained web functionalities using HTML, CSS, PHP, JavaScript, WordPress, and MySQL. Managed databases, designed front-end pages based on client requirements, and delivered 2–3 new features daily. Collaborated with QA teams by writing and executing test cases, identifying and resolving bugs to enhance application stability and performance.

Web Developer Intern, iGlobal Software | *Vadodara, India*   Feb 2023 – April 2023

- Developed and refined 20+ web features using PHP, HTML, CSS, and JavaScript. Optimized site functionality to enhance user experience based on direct feedback from testing sessions with target users.

Projects

Sentimental Analysis - Franklin Templeton | Research Assistant Under Prof Manoochehr Ghiassi

- Implementing an LSTM-based model for sentiment analysis on electric vehicles. Utilizing tokenization, padding, and vectorization for text preprocessing and leveraging TensorFlow for model training and evaluation. Calculating F1 score and analyzing the confusion matrix to assess model performance.

Image Classifier | Python, Scikit-learn, Streamlit, Matplotlib

- Developed a Convolutional Neural Network (CNN) model to categorize images into predefined classes with 69.57 accuracy. Utilized Python libraries for data preprocessing, model training, and deployment on a user-friendly Streamlit interface.

ETL Pipeline Automation | Python, Scikit-learn, Streamlit, Matplotlib

- Designed and deployed an automated ETL pipeline for ingesting and transforming large datasets, reducing processing times by 30.Implemented monitoring systems to track pipeline health and optimize data flows.

Certifications

1)**Foundations: Data,Data Everywhere, Google** |
2)**Python for Data Science, AI and Development, IBM** |
3)**Programming for Everybody,Getting Start with Python, University of Michigan** |
4)**Programming Foundations with JS,HTML and CSS, DUKE University** |
5)**Getting Started with AWS Machine Learning, AMAZON** |

Technical Skills

Programming Languages Databases:: Python, SQL, Java, R, C++, HTML/CSS, JavaScript, MySQL, PHP.
Tools Technologies: Apache Airflow, MLflow, AWS, Azure ML, TensorFlow, Scikit-learn, Kubernetes, Docker, Git, Jupyter Notebooks, Tableau, Power BI, Hadoop.
Databases: MYSQL
Web Technologies:: HTML, CSS
Tools & Platforms: GitHub, Jupyter Notebooks, Google Colab, AWS, Azure ML,Apache Spark, Flask, Anaconda,PowerBI , Tableau, Hadoop, IntelliJ IDEA.
Skills: Data pipeline orchestration, ETL workflows, MLOps, cloud computing, data analytics, machine learning model deployment, CI/CD pipelines, neural networks.
Soft Skills: Ability to learn Quickly, Problem Solving skills, insightful,Communication and Leadership.