

# 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 Francisco, CA

Jan 2024 - Current

- Conducted comprehensive enterprise segmentation analysis using SQL and Python, applying the MECE framework to pinpoint growth opportunities across 100+ institutions while evaluating key product lifecycle stages for strategic decision-making.
- B2B Strategy Optimization – Developing strategies for user acquisition, retention, and engagement to enhance Grammarly's B2B offerings and drive growth.

### Junior Web developer, Pegasus Design House | Vadodara, India

June 2023 – July 2024

- Web Development – Built and maintained features using HTML, CSS, PHP, JavaScript, WordPress, and MySQL, delivering 2 to 3 new features daily.
- Managed and optimized databases for web applications, designed user-friendly front-end pages, authored 15 detailed test cases monthly, and resolved critical bugs that improved overall site stability by reducing downtime.

### Web Developer Intern, iGlobal Software | Vadodara, India

Feb 2023 – April 2023

- Drafted 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 | (Current) Research Assistant Under Prof Manoochehr Ghiassi

- Designed and implemented a robust LSTM-based model for sentiment analysis, analyzing 1M+ data points from customer interactions, resulting in enhanced understanding of user sentiment towards electric vehicle features.
- 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

- CNN Model Development – Built a CNN model achieving 69.57 accuracy in classifying images into predefined categories.
- Deployment Optimization – Used Python libraries for data preprocessing, model training, and deployed the model on a Streamlit interface.

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

- ETL Pipeline Development – Depicted and deployed an automated ETL pipeline, reducing data processing time by 30
- Monitoring Optimization – 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, Databricks  
**Tools** **Technologies**: Apache Airflow, MLflow, AWS, Azure ML, TensorFlow, Scikit-learn, Kubernetes, Docker, Git, Jupyter Notebooks, Tableau, Power BI, Hadoop.

**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, ML deployment, NN.

