

Het Bhavesh Shah

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Education

Master of Science in Information Systems (GPA: 3.3/4) 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 (GPA: 3.74/4) 2019-2023
Gujarat Technological University, Gujarat, India

- Relevant Coursework: DSA, Software Engineering, Design and Analysis of Algorithms, OOPS, DBMS, ML, BDA, OS, CA; managed events.

Professional Experience

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

- Conducted enterprise segmentation analysis using SQL and Python, applying MECE framework to identify growth opportunities across 100+ institutions.
- B2B Strategy & Optimization – Developed strategies for user acquisition, retention, and engagement to enhance Grammarly's B2B growth.

Teaching Assistant – Prescriptive Analytics, Santa Clara University | *Santa Clara, CA* Apr 2025 – Present

- Assisted in course delivery by hosting office hours, clarifying concepts on optimization, linear programming, and decision modeling.
- Graded assignments and projects, and supported over 60 graduate students with analytical problem-solving using Python.

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

- Built features using HTML, CSS, PHP, JavaScript, WordPress, and MySQL, delivering 2-3 features daily.
- Managed databases, optimized web performance, designed interfaces, wrote 15 test cases monthly, and fixed bugs.

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

- Collaborated to fix 10+ critical bugs, ensuring seamless user experience and 99.9% uptime.

Projects

Sentimental Analysis - Franklin Templeton | Research Assistant Under Prof. Manoochehr Ghiassi (Current)

- Built an LSTM-based sentiment analysis model, processing 1M+ data points for EV feature insights.
- Used tokenization, padding, vectorization, and TensorFlow; evaluated with F1 score and confusion matrix.

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

- Developed a CNN model with 69.57% accuracy for image classification.
- Deployed on Streamlit using Python libraries for preprocessing and training.

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

- Automated ETL pipeline, cutting data processing time by 30%.
- Added logging and tracing for rapid root cause analysis.

Certifications

- Foundations: Data, Data Everywhere, Google
- Python for Data Science, AI and Development, IBM
- Programming for Everybody, Getting Started with Python, University of Michigan
- Programming Foundations with JS, HTML and CSS, Duke University
- Getting Started with AWS Machine Learning, Amazon

Technical Skills

Programming Languages & Databases: Python, SQL, Java, R, C++, HTML/CSS, JavaScript, SQL, 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, Google Colab, AWS, Azure ML, Apache Spark, Flask, Anaconda, Power BI, Tableau, Hadoop, IntelliJ IDEA

Skills: Data pipeline orchestration, ETL workflows, MLOps, cloud computing, data analytics, ML deployment, NN