

Het Bhavesh Shah

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Summary

Detail-oriented Junior Web Developer transitioning into Data Engineering and Machine Learning Operations. Skilled at building and optimizing data pipelines, automating workflows, and deploying scalable solutions.

Education

Master of Science in Information Systems

Expected June 2026

Santa Clara University, Santa Clara, California

- *Research Assistant under Manoochehr Ghiassi* – Sentimental Analysis
- Relevant Coursework: Natural language processing, machine learning OPS, deep learning, database management system, object-oriented programming, distributed systems, data analysis, financial accounting, supply chain management.

Bachelor of Engineering in Information Technology

2019-2023

Gujarat Technological University, Gujarat, India

- Relevant Coursework: Data Structures and Algorithms, Software Engineering, Design and Analysis of Algorithms, Object-Oriented Programming, Database Management System, Machine Learning, Big Data Analytics, Operating System, Computer Architecture along with participating in and managing events.

Professional Experience

Junior Web developer, Pegasus Design House | Vadodara, India

June 2023 – July, 2024

- Developed and optimized MySQL databases, improving data retrieval by 0.25 during high-traffic periods. Designed and implemented test cases, resolving three major application crash issues. Led collaborative efforts with QA teams to meet functionality and code quality standards.

Web Developer Intern, iGlobal Software | Vadodara, India

Feb 2023 – April 2023

- Built over 20 web features using PHP, HTML, CSS, and JavaScript, enhancing user experiences based on direct feedback. Automated repetitive development tasks, reducing feature deployment time by 0.15.

Projects

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

- Developed an AI model categorizing images into predefined classes with a 69.57 accuracy. Leveraged Python libraries for preprocessing, 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.

Investigating CA's Low Income Counties | Numpy, Pandas, Seaborn, TensorFlow, Pydotplus.

- Analyzed relationships between pollution levels and demographics in California counties. Discovered that higher poverty rates (>24.4) and lower toxic releases correlate with increased unemployment.

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.

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.

Soft Skills: Ability to learn Quickly, Problem Solving skills, insightful, Communication and Leadership.