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   2024 - Expected June 2026
Santa Clara University, Santa Clara, California

- *Research Assistant under Manoochehr Ghiassi* – Sentimental Analysis
- Relevant Coursework: Natural language processing, Machine Learning, 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

- As a Junior Web Developer at Pegasus Design House, I developed and maintained web functionalities using HTML, CSS, PHP, JavaScript, WordPress, and MySQL. I managed databases, created front-end pages based on client requirements, and delivered 2–3 new features daily. Additionally, I wrote and executed test cases for QA, identifying and resolving bugs to enhance application stability and performance.

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

- Developed and refined over 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

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, 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.