Jyotsna Bhatia

9354182540 | work.jyotsna01@gmail.com | Linkedln | GitHub

Education

Bachelor of Technology in Computer Science — Bhopal, Madhya Pradesh
VIT Bhopal, CGPA: 9.0 /10 — *August 2021 – September 2025*

Technical Skills

Languages: : Python, R, HTML/CSS, JavaScript, MySQL, NoSQL, Postgres, MongoDB
Frameworks: ReactJS, REST APIs, Spark, OpenCV, Seaborn, TensorFlow, Pandas, Scikit-learn
Developer Tools: Kali Linux, AWS (S3, Elastic Bean Stalk, DynamoDB), Excel, Tableau, Power BI,
Additional: Web Services, Git, CLI, Data Science, NLP, Data Structures, Machine Learning

Experience

Web Developer Intern — January 2024 - March 2024
HCLTech — *Remote*

- Architected a high-volume, scalable e-commerce web application with React, JavaScript, and NodeJS.
- Evaluated key features using JSON Server and rendered the filtering option, to create 4+ web pages.
- Reviewed code with 2 developers with over 5+ features to develop user-facing experiences.

Data Science and Business Analytics Intern — August 2021 - October 2021
The Sparks Foundation — *Remote*

- Built machine and deep learning models with over 90% accuracy using Python libraries such as Numpy and Pandas, and Sklearn for model training and classification.
- Executed 4 Exploratory Data Analysis Projects to analyze business requirements and produce analyses.
- Processed and modelled data using Data Visualization tools to propose useful solutions.
- Assessed 150+ intern submissions on LinkedIn, achieved Golden Badge for intern assistance.

Certifications

- PostMan API Fundamentals (2024)
- Google Cloud Digital Leader(2024)
- AWS Cloud Practitioner Certified (2024)
- HackerRank SQL Certified (2023)

Projects

AI Road Inspection System — March 2023 - June 2023

- Mastered Python, Streamlit API, OpenCV, MATLAB in an end-to-end project through automation methods.
- Engineered a web application with continuous integration of diverse road defects to generate a complex model.
- Deployed YOLOv8 to detect anomalies, variations such as alligator cracks with a model accuracy of 85%.
- Integrated the StreamLit API to exhibit reports with a precision rate of 82% and a recall rate of 78%.

Parking Space Detector — April 2022 - June 2022

- Implemented TensorFlow, Keras, and OpenCV and deployed the application using Streamlit.
- Spearheaded the development of a machine learning-driven application that colours empty parking spots by applying CNN for detection and contour layering for visual representation.
- Inspected data quality, cleaned data and implemented various data science techniques.
- Validated the application to cover larger parking areas or multiple parking lots with an accuracy of 85%.

Achievements and Volunteering Experience

- Contributed to open-source projects with 180+ days of coding streak on GitHub.
- Published a research paper with 4 professors on blockchain-based Healthcare Information system for health records
- Ranked 1st in the VIT Unplugged Hackathon held in the college to build software for 2000+ students in 18 hours
- Organized events for 500+ students collaborating with 50 Team members on Machine Learning by AI Club.
- Volunteered and participated at IIT Bombay (Techfest 2022) and India's Largest Tech Expo, New Delhi (2024).