Yashika Vaish

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Academics

Pranveer Singh Institute of Technology, Kanpur, UP **2021 – 2025**
Bachelor Of Technology (Computer Science and Engineering) *CGPA - 8.3*

St.Mary's Convent School **2018 – 2020**
Intermediate, High School *Prayagraj, UP*

Experience

Data Science intern **Oct 2023 – Nov 2023**
Code Clause

- Performed data cleaning, preprocessing, and EDA on demographic datasets using Python (Pandas and NumPy).
- Built and evaluated classification models for age and gender detection, achieving 90% accuracy.
- Visualized trends and model performance using Matplotlib and Seaborn.

Project intern - Blood Group Identification **Oct 2024 – Dec 2024**
Infosys Springboard

- Built a Django-based application for secure user authentication and automated blood type detection.
- Integrated OpenCV and ML algorithms for accurate recognition using image input.

Web Development intern **Mar 2024 – Apr 2024**
NeuroNexus Innovations

- Developed an e-commerce platform with user-centric features using React, Node.js, and DBMS.
- Created responsive landing pages applying core HTML/CSS skills.

Projects

Geospatial Remote Sensing Platform for Environmental Monitoring and Analysis | *Link* **Mar 2024 - May 2025**

- Developing platform that revolutionize the way geospatial data is managed, analysed, and utilized for environmental monitoring and management purposes.
- The platform will feature a user-centric design, offering intuitive interfaces and comprehensive tutorials to empower users of all technical backgrounds to leverage its functionalities effectively.
- Tech Stack: Python, JavaScript, Machine Learning framework, Data Science Libraries.

Vehicle Number Plate Detection | *Link* **Sept 2023 - Dec 2023**

- Created a Python-OpenCV tool to detect vehicle number plates in real-time.
- Enhanced accuracy by 25% with integrated ML algorithms and deployed in simulated surveillance.
- Dealing with cross-functional teams, the technology was implemented in real surveillance scenarios.

Cancer Prediction Model | *Link* **Nov 2022 - Mar 2023**

- Performed EDA to identify key medical features affecting predictions.
- Evaluated models using accuracy and validation techniques.
- Tech Stack: Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn.

Technical Skills

Languages/Tools: Python (Pandas, NumPy, Matplotlib), Data Cleaning Preprocessing, EDA, Data Visualization, Java, C.
DataBases: SQL, MySQL, MongoDB.
Technologies/Frameworks: Machine Learning, OpenCV, Git, Github, OpenAI, Prompt Engineering, Jupyter Notebooks.
Web/Frameworks: HTML, CSS, JavaScript, ReactJS, NodeJS, Django, Flask, RESTAPI.
Core Competencies: Data Structure and Algorithms, Object-Oriented Programming, DBMS, Computer Networking.
Development Practices: Problem-solving, Teamwork and Collaboration, Communication, Project-Management.

Certifications | ***Link***

- Problem Solving(Basic)
- SQL(Basic, Intermediate)
- HTML5
- CSS3
- Python with DSA
- OOPs using Python
- Python for ML and DS
- JavaScript

Achievements / Extracurricular

- **AWS APAC Solutions Architecture** virtual experience program on Forage - December 2024.
- 6-star Problem Solving, 5-star Python, 4-star C, Java, SQL in HackerRank / 150+ Leetcode.
- Recognition, Acceptance into IP Awareness/Training program under NIPAM and OpenSource program GSSOC'24.
- Earned Badges by IBM Developer Skills Network.