VARSHA THAKUR

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SUMMARY

As a college student with intermediate Python programming skills, I bring hands-on experience from projects and internships to the table. My strong foundational knowledge in Python, coupled with my eagerness to learn and adapt, positions me as a valuable beginner intern ready to contribute effectively and grow within a dynamic team. I am eager to apply my knowledge to real-world challenges.

EDUCATION

BMS College of Engineering
B.E in Artificial Intelligence and Machine Learning
2022-2026

Presidency College, Hebbal
2020 – 2022

Kensri School
2010 - 2020

SKILLS

- Web development(Basics)
- Proficient in HTML
- SQL(Basics)
- MS Excel
- Machine Learning
- Python Programming
- Artificial Intelligence
- Data Manipulation
- Data Science
- Data Visualization
- Power BI
- Tableau

CERTIFICATIONS

- Certificate Of Internship in Python Programming from main flow services and technology
- Certificate of Completion in Data Science Job Simulation from British Airways
- Certificate of Completion in Power BI workshop from Office Master
- Certificate Supervised Machine Learning: Regression and Classification – Coursera| 2025

PROFESSIONAL EXPERIENCE

Python Programming Intern

Main Flow Services and Technologies | April 2024 - June 2024

- Contributing to projects by developing features or fixing bugs.
- Proficient in Python's basic syntax, including variables, data types, and operators.
- Familiar with Python's built-in data structures, such as lists, tuples, sets, and dictionaries.
- Importing and utilizing standard Python libraries efficiently

EXTRA CURRICULAR

British Airways Data Science Job Simulation on Forage - November 2024

- Completed a simulation focusing on how data science is a critical component of British Airways success
- Scraped and analyzed customer review data to uncover findings
- Built a predictive model to understand factors that influence buying behavior

PROJECTS

1. **Fraud Detection in Ethereum Cryptocurrency Transactions**

- **Technologies Used:** Python, XGBoost, TensorFlow, Blockchain Analytics
- Developed a machine learning model using XGBoost classifier to detect fraudulent Ethereum transactions.
- Achieved 94.5% accuracy and ROC-AUC score of 0.96, improving fraud detection efficiency.
- Implemented stratified sampling and precision-recall analysis to enhance fraud detection rates.

2. Customer Churn Prediction using Machine Learning

- **Technologies Used:** Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, SMOTE (for data balancing)
- Developed a machine learning pipeline to predict customer churn using the Telco Customer dataset.
- Implemented data cleaning, feature engineering, model training, hyperparameter tuning.
- Achieved a high ROC-AUC score for model evaluation and Visualized churn trends using seaborn.

3. Personal Portfolio Website

- **Technologies Used:** HTML, CSS, JavaScript, Bootstrap
- Developed a responsive and visually appealing personal portfolio to showcase my skills, projects, and achievements.
- Implemented custom design layouts, including navigation, project showcase, and contact sections.