

# VAIBHAV SHARMA

## Data Analyst Intern / Machine Learning Enthusiast

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🌐 <https://thevaibhavacom.vercel.app/>    📍 Muzaffarnagar, Uttar Pradesh, India    ⭐ <https://github.com/Vaibhavsharma45>

### SUMMARY

Detail-oriented BCA student specializing in data analysis and machine learning, with proven expertise in developing end-to-end ML pipelines and predictive models using Python and Random Forest. Skilled in SQL and Power BI for robust data visualization and dashboard creation, complemented by a track record of deploying production-ready applications with Flask and Streamlit. Demonstrated ability to translate complex datasets into actionable insights, seeking to leverage analytical and technical skills in a Data Analyst or Machine Learning role.

### EXPERIENCE

#### Data Analyst Intern Intern Geek

📅 11/2025 - 12/2025    📍 Not specified

Internship position focused on data analysis and visualization

- Conducted exploratory data analysis on Titanic dataset, uncovering survival patterns and key statistical insights
- Applied hypothesis testing and statistical analysis techniques to validate data-driven assumptions
- Designed interactive Power BI dashboards to visualize trends and communicate findings to stakeholders
- Created comprehensive data visualizations using Python libraries (Matplotlib, Seaborn) for reporting

### EDUCATION

#### Bachelor of Computer Applications Maa Shakumbhari University

📅 08/2023 - 05/2026    📍 Saharanpur

### SKILLS

GitHub	Gmail	Vercel	NLP	Python	SQL
Microsoft Power BI	Flask	Streamlit	Random Forest		
SQLite	Plotly	ATS	NLTK	React	REST
EDA					
Matplotlib	Seaborn	MongoDB	Pandas	NumPy	
Deep Learning	TensorFlow	PyTorch	Scikit-learn		
Git	Jupyter Notebook	Visual Studio Code			

### LANGUAGES

English	●●●●●
Native	
Hindi	●●●●●
Native	

### PROJECTS

#### MARG-DARSHAK

📅 04/2025 - 06/2025    📍 Not specified

🔗 <https://marg-darshak-lzy4.onrender.com/>

ML-Based Career Prediction System project built with Flask and Random Forest.

- Developed career recommendation system using Random Forest classifier with feature selection and cross-validations
- Implemented hyperparameter tuning to optimize model performance and prediction accuracy
- Built full-stack Flask application with SQLite database and Plotly dashboards, deployed on Render

#### Cryptocurrency Volatility Prediction

📅 01/2025 - 03/2025    📍 Not specified

🔗 <https://crypto-volatility-prediction-project-mak4penaud7jwri5vptzto.streamlit.app/>

This project utilizing Python and Random Forest techniques

- Engineered 15+ technical indicators and built Random Forest regression model on 50,000+ cryptocurrency records
- Achieved  $R^2$  of 0.85, RMSE of 0.0164, and MAE of 0.0098 through feature engineering and model optimization
- Deployed Real-time prediction web application using Streamlit with interactive visualizations

#### Resume Analyser

📅 07/2025 - 09/2025    📍 Not specified

🔗 <https://resume-analyser-gbp1.vercel.app/>

NLP-Based ATS Compatibility System project leveraging Flask and React

- Created NLP pipeline using TF-IDF and NLTK for automated resume scoring and ATS compatibility assessment
- Designed Flask REST API with PDF parsing capabilities for document processing
- Developed full-stack solution with React frontend for seamless user experience