

VISHAL

+91-9816290993 | vishaal03.it@gmail.com | www.linkedin.com/in/vishal-datascience | <https://github.com/VISHAL-038>

PROFILE SUMMARY

Driven aspiring **Data Science Engineer** with a passion for tackling real-world problems through technical skills. Pursuing a B.Tech in Computer Science and Engineering (graduation 2025) at Rayat Bahra University. Proficient in data analysis, machine learning, and software development. Seeking a data science internship to gain hands-on experience and contribute to innovative projects.

EDUCATION

- **B.Tech - Computer Science Engineering** (June 2021 - June 2025)
 - Rayat Bahra University, Punjab
- **Professional Certificates**
 - IBM Data Science Professional Certificate
 - Machine Learning and Deep Learning – Fundamentals and Applications(NPTEL)
 - Full Stack Development Program (Excellence Education)
 - Full Stack Web Development (MCP Technology)

PROJECTS

- **Resume Categorizer**
 - Developed an **NLP-based machine learning model** to classify resumes into categories such as **Software Engineer**, **Data Scientist**, and **Marketing**, using **TF-IDF vectorization** and **label encoding**.
 - Applied **text preprocessing techniques** to clean resume data by removing stopwords and special characters.
 - Improved recruitment efficiency by automating the resume filtering process with accurate classification models.
- **Spam Comment Detection**
 - Created a **machine learning model** for spam comment detection using **NLP techniques** like **tokenization**, **stopword removal**, and **TF-IDF vectorization**.
 - Implemented a **Logistic Regression model** for classification, with options for **Naïve Bayes** and **Random Forest** for enhanced performance
 - Achieved high accuracy in spam detection, improving content moderation..
 - Achieved high accuracy in detecting spam comments, enhancing content moderation efficiency.
- **Credit Card Fraud Detection**
 - Built a machine learning model to identify fraudulent transactions using **imbalanced datasets**, applying techniques like **SMOTE** and **undersampling** to balance classes.
 - Trained and evaluated models, including **Logistic Regression** and **Random Forest**, with metrics such as **Precision**, **Recall**, **F1-Score**, and **AUC-ROC**.
 - Improved fraud detection by using **feature scaling**, **correlation analysis**, and **cross-validation** for model optimization.
- **Student Management System**
 - Designed and developed a scalable backend system for managing student information using **Python** and **MySQL**.
 - Created a robust database solution with efficient **data retrieval** and **manipulation techniques** to optimize system performance.

SKILLS

- **Programming Languages and Tools:** Python, Git
- **Data Science & Machine Learning:** Pandas, Scikit-learn, Seaborn, Matplotlib, NumPy
- **Databases:** MySQL, MongoDB
- **Data Analysis and Engineering:** Data Analysis, Data Cleaning, Feature Engineering, Model Evaluation, Machine Learning Algorithms