Talha Usmani

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2000-12-24 He/Him

PROFILE

Computer Science Engineering graduate with a strong foundation in programming and software development. Proficient in Python with practical experience gained through internships and academic projects. Passionate about problem-solving and building real-world tech solutions, with a keen interest in emerging technologies like machine learning. Actively seeking opportunities to contribute and grow in a dynamic, innovation-driven environment.

PROFESSIONAL EXPERIENCE

06/2024 – 07/2024

DevSkillHub
Python Programming Intern
Completed a hands-on internship focused on Python programming, where I developed practical coding skills by working on real-world projects and solving algorithmic challenges. Gained experience in core Python concepts, such as data structures, object- oriented programming, file handling, and libraries like NumPy and Pandas. Collaborated with mentors and peers to write clean, efficient, and well-documented code that adhered to industry-standard best practices.

- Recommended improvements to facilitate team and project workflow.
- Participated in team meetings to discuss project progress and brainstorm new ideas for improving the product.

EDUCATION

2021 – 2025
Lucknow

B.Tech
Integral University
8.70 Sgpa 6.20 Cgpa
First Division

SKILLS

- Python programming
- Data analysis
- Machine learning
- Visualization
- Pandas
- NumPy

LANGUAGES

Hindi English

INTERESTS

- Solving puzzles and brain teasers
- Reading tech blogs and articles
- Playing chess and strategy-based games

PROJECTS

01/2025 – 02/2025

Credit Card Fraud Detection
Machine Learning Project | Python, Scikit- learn, Pandas, Matplotlib
Developed a machine learning model to detect fraudulent credit card transactions using an imbalanced dataset. Implemented and compared multiple algorithms including Logistic Regression, K-Nearest Neighbors, Decision Tree, Random Forest, and XGBoost. Applied data preprocessing techniques, handled class imbalance using undersampling, and evaluated model performance using metrics such as accuracy, precision, recall, F1-score, and ROC-AUC. Visualized data distributions and model results using histograms and confusion matrices.
Built a user-friendly frontend using Streamlit to allow interactive model selection and prediction.

PUBLICATIONS

01/03/2025

Integrating Credit Card Fraud detection With Machine Learning
IRJET Journal

SOFT SKILL

Effective communication

Team collaboration

Adaptability and willingness to learn

Time management