Tokir Khan

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Summary

Second-year **B.Tech Computer Science (AI & ML)** student with strong foundations in **Data Structures, Algorithms, Object-Oriented Programming, and Software Engineering**. Proficient in **C++, Python, and Java** with hands-on experience building scalable systems and machine learning models. Actively seeking a **Software Development Intern / Associate Software Developer Intern** role (Summer 2026).

Experience

Software Development Intern — Brainwave Matrix Solution (Remote) **July–Aug 2025**

- Developed and optimized software modules in **C++** using object-oriented design principles.
- Collaborated with team members using **Git/GitHub**, participated in code reviews, and followed clean coding practices.

Education

Bachelor of Technology in Computer Science (AI & ML) **2024–2028**
JECRC University, Jaipur, India
CGPA: **9.28/10**
Relevant Coursework: Data Structures & Algorithms, OOP, Machine Learning, Software Engineering

Technical Skills

Programming Languages: C++, Python, Java
Core CS: Data Structures, Algorithms, OOP, Problem Solving, Debugging
Machine Learning: Logistic Regression, Random Forest, XGBoost, Feature Engineering, Model Evaluation
Tools & Libraries: Git, GitHub, NumPy, Pandas, Matplotlib, Seaborn

Projects

Loan Approval Prediction System — Python, Machine Learning GitHub

- Built an end-to-end ML pipeline including data preprocessing, feature engineering, and model training.
- Achieved **97% accuracy** using **Random Forest**, demonstrating strong analytical and modeling skills.

Credit Card Fraud Detection Model — Python, Imbalanced Learning GitHub

- Built a machine learning–based credit card fraud detection system on 284,807 transactions (0.17% fraud) using SMOTE and RobustScaler, achieving >99.5% accuracy and >95% ROC-AUC.
- Trained and evaluated **Logistic Regression, Random Forest, SVM, and XGBoost**, deploying the best-performing model via a Streamlit web app for real-time fraud prediction.

ATM Simulation System — C++, OOP GitHub

- Designed a menu-driven ATM system with authentication, transactions, and file handling.
- Applied OOP principles and modular architecture to ensure scalability and maintainability.

Position of Responsibility

Vice Captain (DSA Wing) — DevCrest Coding Community **July 2025–Present**

- Mentored peers in data structures and algorithms; led problem-solving sessions and technical discussions.

Achievements

- Solved **150+ LeetCode** and **200+ Striver Sheet** problems, strengthening problem-solving and algorithmic thinking.

Certifications

Data Structures & Algorithms (C++) — Apna College
Python Programming — Udemy
Introduction to Data Visualization — Udemy