ATHARV TYAGI

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Professional Summary

A highly enthusiastic B.Tech student in Artificial Intelligence and Data Science with excellent skills in AI, Machine Learning, and Data Analytics. Proficient in full-stack and mobile development with Java, Django, React, and Android Studio. Eager to create intelligent, real-world solutions by integrating analytical minds with practical development skills.

Experience

- **Oriental Insurance Company Ltd. | Data Analyst Intern**　　　*July 2025 - Present*
    1. Analyzed insurance data by quantum and legal limits to improve case tracking.
    2. Created an AI insurance assistant and an Android brochure app with visual insights.
    3. Implemented a GLM price model and 3D AI avatar using Python and Blender.
- **The ACE | Organiser**　　　*January 2025 - Present*
    1. Organized large tech conferences on Blockchain, AI/ML, and AR/VR for a 3,000+ strong community of Delhi-NCR.
    2. Organized a GitHub-sponsored Ideathon to encourage actual-world innovation in new-age technologies such as AR/VR, Blockchain and Game Dev.

Education

Bachelors' of Technology | Artificial Intelligence and Data Science
Guru Gobind Singh Indraprastha University | Delhi Technical Campus
CGPA: 9.09/10

Skills

- **Languages:** Python, R, Java, JS, C++, C, Kotlin
- **Data Analyst Python Libs:** Pandas, Numpy, Matplot, EDA, sklearn, Scipy, SHAP, Tensorflow, NLP
- **Frameworks:** Django, React, React Three Fibre, React-chart-js, Tailwind CSS
- **Tools:** Excel, Ubuntu, SQL, MongoDB, Android Studio
- **Soft Skills:** Quick Learner, Strong Problem Solving Skills, Capable of working in team

Projects

- **Ethical XAI**
    1. Developed an AI-powered threat detection system with Python, SHAP, NLP, and CVE/CAPEC data integration via VirusTotal API.
    2. Applied Logistic Regression with SHAP for explainability and async programming to support real-time analysis and mitigation.
- **Swasthya - Physical and Mental Health Chatbot**
    .1. Created an AI health chatbot with Kivy (GUI) and scikit-learn with TF-IDF and cosine similarity to detect intent.
    2. An integration of JSON-based intents with adaptive centroid updates for better accuracy and real-time, user-friendly interaction.
- **More projects on my Portfolio - Atharv Tyagi**