SAEED UD DIN AHMAD

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EDUCATION

FAST National University of Computer and Emerging Sciences　　*August* **2022** – *June* **2026**

Bachelor's in computer science　　Islamabad, Pakistan

- Relevant Courses: AI, DSA, Linear Algebra, Probability & Stats, Parallel Distributed Computing

SKILLS AND ABILITIES

Languages & Tools: Python, C++, Java | **ML Libraries:** TensorFlow, Scikit-learn, Pandas, NumPy, PyTorch
Database Systems: MySQL, SQL Server, MongoDB
Frameworks: .NET Framework, Express.js (Node.js), React.js, Spring Boot, JavaFX
Tools & Platforms: VS Code, Jupyter Notebook, IntelliJ IDEA, Postman
DevOps and Version Control: GitHub
Soft Skills: Team Collaboration, Event coordination, leadership, communication

LEADERSHIP

Co-Founder - Khanabadosh Explorers　　March ***2024 – Present***
Launched a student travel startup focused on leisure trips for university students; managed trip planning, team coordination, and vendor negotiations, leading over 10+ successful Trips with 300+ participants.

EXPERIENCE

Genesys Research Lab　---　NLP / GenAI Internship　　**[June – Aug 2025]**

PROJECTS

Fake News Detection System (*Tools: Python, SentenceTransformers, RAG, NLP, Scraping)*　　*[*July 2025**]**

- Built an end-to-end pipeline using LLMs and Retrieval-Augmented Generation (RAG) to verify news claims. Integrated web scraping, keyword extraction, vector search (FAISS), and classification via Groq's Llama 3 API. Automated context retrieval and claim validation from reliable online sources.

Sentiment Analyzer (*Tools: TensorFlow, Keras, Python, NLP)*　　*[*April 2025**]**

- Built NN-based sentiment classifier on a Twitter dataset to classify text into positive, negative, irrelevant or neutral sentiments.
- Preprocessed textual data using tokenization, padding, and embeddings before training the model and achieved 91.2% accuracy.

Autonomous Car simulation Using Torcs and DL (*Tools: Pytorch, Python)*　　*[*May 2025**]**

- Built a self-driving car system in TORCS by collecting sensor data, processing it into CSV format, and training a neural network in PyTorch to predict steering and throttle for automated driving

Real-time Aerospace Computation - FYP with NESCOM (*Tools: Unreal Engine, C++, Python)*　　**[Jan2025 – 2026]**

- Engineer a physics-based rocket simulation with realistic aerodynamics, taking real-time environmental factors into account.

Full Stack Web Applications (***Tools: HTML, CSS, JavaScript, React.js, Express.js, SQL)*　　*[*Jan2025–Mar2025**]**

- Developed a responsive **WEB-BASED PHOTO EDITOR**, **STUDENT ATTENDANCE MANAGEMENT SYSTEM**

Desktop Application Development (*Tools: JavaFX, Java, SQL, .NET, C#)*

- Developed a role-based desktop application using .NET Windows Forms with enhanced UI/UX; implemented C# for backend logic and integrated SQL Server for managing gym memberships, attendance, workout plans, and diet tracking.