

# SAEED UD DIN AHMAD

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## Education

**FAST National University of Computer and Emerging Sciences**  
Bachelors in Computer Science

Aug 2022 – Jun 2026  
Islamabad, Pakistan

## Skills and Abilities

**Programming Languages:** Python, JavaScript, Java, C++, C  
**Web Development:** HTML, CSS, React.js, Node.js, Express.js, REST APIs, Next.js  
**Databases:** MongoDB, MySQL, SQL Server, PostgreSQL  
**Frameworks & Libraries:** .NET Framework, JavaFX, Spring Boot  
**ML Tools & Libraries:** TensorFlow, Scikit-learn (for AI-related backend work), PyTorch  
**Frameworks:** .NET Framework, Spring Boot  
**Tools & DevOps:** Git, GitHub, VS Code, IntelliJ IDEA, Postman, Jupyter Notebook  
**Software Engineering Practices:** Agile Methodology, Scrum (Scrum Master experience), Version Control, API Development, Testing  
**Soft Skills:** Team Collaboration, Event coordination, leadership

## Leadership

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

## Experience

**DSPORTSHUB** Aug 2025 – Sept 2025  
*Skills: React.js, Node/Express.js, MySQL, Testing*

**Genesys Research Lab** Jun 2025 – Aug 2025  
*Skills: NLP, Generative AI, Flask, FastAPI, PostgreSQL*

## Projects

**Real-time Aerospace Computation – Final Year Project (NESCOM)**  
*Unity, C#, Python — Role: Scrum Master*

- Engineer a physics-based rocket simulation with realistic aerodynamics, taking real-time environmental factors into account.
- Planning future migration to Unreal Engine for enhanced simulation fidelity.

**Full Stack Development — Web Applications**  
*HTML, CSS, JavaScript, React.js, Express.js, SQL — Role: Scrum Master*

- Developed a responsive web-based photo editor allowing users to apply filters and rotate images in real-time.
- Built an attendance management system for students using React.js and Express.js; created RESTful APIs and handled data persistence with SQL.

**Fake News Detection System** Jul 2025  
*Python, SentenceTransformers, RAG, NLP, Scraping*

- 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 Groq's Llama 3 API for automated context retrieval and claim validation.

### **Sentiment Analyzer**

Apr 2025

*TensorFlow, Keras, Python, NLP*

- Built an 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; achieved 91.2% accuracy.

### **Desktop Application Development**

*JavaFX, Java, SQL, .NET, C# — Role: Scrum Master*

- Developed a desktop application using JavaFX with CSS styling; integrated a Java backend and MySQL database for robust data management.
- Built a role-based desktop application using .NET Windows Forms with enhanced UI/UX; implemented C# backend logic and integrated SQL Server for gym memberships, attendance, workout plans, and diet tracking.

### **Autonomous Car Simulation in TORCS**

*Python, PyTorch, Scikit-learn, Jupyter Notebook*

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