**Name:**

Shahmeer Ali

**Contact Information:**

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**Career Objective:**

Motivated Artificial Intelligence undergraduate with expertise in Machine Learning and Systems Programming. Seeking opportunities to apply advanced algorithms and AI techniques to develop intelligent systems solutions.

**Education:**

Bachelor of Science in Artificial Intelligence, National University of Computer and Emerging Sciences (FAST-NUCES), Islamabad, June 2027 GPA: 3.12 / 4.00

**Skills**

• Programming Languages: C++, C, Python, Assembly (x86)  
• Machine Learning: scikit-learn, TensorFlow, NumPy, Pandas  
• Operating Systems: Linux, Process Management, Memory Management, System Calls  
• Core Competencies: Data Structures, Algorithms, Object-Oriented Programming  
• Tools & Technologies: Git, GDB, Makefile, Jupyter Notebook  
• Languages: English, Urdu

**Projects / Research:**

**Custom Shell Implementation in C**, November 2024

• Developed a Unix-like shell with support for built-in commands, process creation using fork and exec, and I/O. Implemented signal handling for process control and command history functionality.

**Predictive Student Performance System**, March 2025

• Built a machine learning model using Python and scikit-learn to predict student performance based on attendance, assignment scores, and demographic data. Achieved 82% accuracy using Random Forest classifier.

**Data Structure Visualizer in C++**, September 2024

• Developed a CLI in C++ to visualize BST and various other Data Structures using efficient memory management.

**Experience / Internships:**

Collaborated with a three-member team to build an AI-powered chatbot for customer service automation using Python and NLP techniques

**Achievements / Extracurricular Activities**  
• Participant, FAST Speed Programming Competition — 2024  
• Volunteer, Code for Pakistan Initiative — 2024

**References**

Available upon request.