**Name:**

Rana Muhammad Zohaib

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**Career Objective / Profile:**

Motivated Artificial Intelligence undergraduate passionate about solving real-world problems through intelligent systems and efficient algorithms. Seeking opportunities to apply analytical thinking, programming expertise, and AI knowledge in innovative projects.

**Education:**

Bachelor of Science in Artificial Intelligence, National University of Computer and Emerging Sciences (FAST-NUCES), Islamabad, Expected 2027

Relevant Courses: Operating Systems, Artificial Intelligence, Algorithms, Data Structures

**Skills:**

* ▪ Programming Languages: C++, Python, Assembly
* ▪ Data Structures and Algorithms
* ▪ Object-Oriented Programming (OOP)
* ▪ Web Scraping and Data Handling
* ▪ Problem Solving and Debugging

**Experience / Internships:**

None yet — actively seeking opportunities to gain practical experience.

**Projects / Research:**

Snake Game (C++)

▪ Developed an interactive terminal-based snake game implementing real-time movement logic and score tracking.

Conway’s Game of Life (C++)

▪ Simulated cellular automata rules using a 2D grid and efficient state transitions.

Computer Network Simulation (C++)

▪ Implemented router communication and packet routing using data structures and Dijkstra’s algorithm.

Hotel Website Data Collection (Python)

▪ Designed a web scraper to extract and organize hotel information using BeautifulSoup and Pandas.

**Achievements / Extracurricular Activities:**

* ▪ Member, FAST Computing Society — 2023–Present
* ▪ Participated in internal AI and coding projects at FAST-NUCES