Misbah Khan

Contact Information

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Career Objective / Profile

A passionate Artificial Intelligence undergraduate driven by curiosity, creativity, and a problem-solving mindset. I enjoy designing intelligent systems that merge logical reasoning with innovation. With a growing interest in applied AI, optimization, and low-level programming, I aim to explore how technology can evolve to become more adaptive, human-centered, and impactful in everyday problem-solving.

Education

- SSC (2019–2021) — APSACS Humayun 208

- HSSC (2021–2023) — APSACS Humayun 208

- Bachelor of Science in Artificial Intelligence, National University of Computer and Emerging Sciences (FAST-NUCES), Islamabad (Expected Graduation: June 2027) | CGPA: 2.7

Skills

- Programming: Python, C++, Assembly (x86)

- AI & ML: Search Algorithms, Genetic Algorithms, Minimax with Alpha-Beta, CSPs

- Development: HTML, CSS, JavaScript

- Tools: Git, VS Code, Jupyter Notebook, Irvine32

- Core Strengths: Analytical thinking, debugging, problem-solving, adaptive learning

Projects

- TripTix – Flight Ticket Booking System (C# Desktop App)

- AI Pacman Agent (Assembly & Python)

- Genetic Algorithm for Travel Itinerary Optimization

- CSP Solver for Drone Delivery & Medical Resource Allocation

- Ultimate Tic-Tac-Toe AI (Minimax + Alpha-Beta Pruning)

Achievements

Ranked in Top 10 in three online coding competitions (Speed Programming & Code Hackathons).

Co-curricular Activities

- Volunteer — Sundas Foundation: Contributed to thalassemia awareness campaigns and blood donation events.

- Participant — Summer Thrive: Took part in youth empowerment programs and leadership workshops.