Shahmeer Ali Akhtar

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EDUCATION

- **National University of Computer and Emerging Sciences** — Islamabad, Pakistan
  Bachelor of Science in Computer Science (8th Semester) ; GPA: 2.56 — *Sep 2021- June 2025*
  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases, Object Oriented Programming, Website Development, Natural Language Processing, Blockchain and Cryptocrurrency, Game Development and Design, Computer Orginization and Assembly Language*

SKILLS SUMMARY

- **Languages**:   Python, C , C++, JavaScript, SQL, C#, Assembly Language
- **Frameworks**:   NodeJS, MERN, GO Lang
- **Tools**:   Docker, GIT, MongoDB, MySQL, Unity3D, Jenkins, MLFlow
- **Soft Skills**:   Leadership, Event Management, Public Speaking, Time Management, Goal Oriented

EXPERIENCE

- **NADRA Headquarters** — Islamabad, Pakistan
  AGHAAZ Summer Internship Program - Intern — *May 2024 - 2019*
  - **Asset Management Web Application**: Developed a web application for efficient asset tracking and storage, improving organizational asset management.
  - **NADRA Operational Systems**: Gained foundational knowledge of NADRA's network infrastructure and data management processes, understanding their operational intricacies.
- **Hexler Tech** — Islamabad, Pakistan
  Intern — *Jan 2024 - Jan 2024*
  - **Web Application Development**: Developed responsive and user-friendly web applications using React.js, HTML, CSS, and JavaScript.
  - **UI Component Implementation**: Assisted in building UI components and features while following best practices and design guidelines.
  - **Adaptability & Collaboration**: Demonstrated a strong willingness to learn and adapt to new technologies in a fast-paced, collaborative environment.
- **FAST NUCES** — Islamabad, Pakistan
  Teacher's Assistant & Lab Demonstrator — *2024 - 2025*
  - **Tutoring & Academic Support**: Provided personalized tutoring in Data Structures, Operating Systems, and Computer Networks, enhancing student understanding and technical proficiency.
  - **Assessment & Feedback**: Graded assignments, labs, and quizzes, offering constructive feedback to support academic growth and subject mastery.
  - **Collaboration & Student Engagement**: Worked closely with faculty to track student progress and communicated with students to improve learning outcomes in technical domains.

PROJECTS

- **LingoLearn - Language Learning App [AR, NLP, Unity]**: Developing an AR-based language learning app using Unity, integrating NLP for interactive lessons, immersive AR scenarios, and assessments.
- **Cafe Management System [ASP.Net, MySQL, CSS, and HTML]**: Designed a user-friendly system with secure login, role-based access, order tracking, inventory management, and sales reporting.
- **Robot Simulation [C++, Operating Systems]**: Simulated 50 processes with inter-process communication using threads, pipes, shared memory, and process scheduling to estimate exit width.
- **Graphical Brick Breaker Game [8086 Assembly, DOSBox]**: Developed a Brick Breaker game using 8086 Assembly language, running in DOSBox. Implemented graphical rendering, paddle movement, and collision detection for an interactive gaming experience.
- **Ecommerce Website [MERN Stack]**: Developed an online shopping platform for women's clothing with user-friendly navigation and secure transactions.
- **Timetable Scheduling Optimization [Python]**: Implemented an optimization algorithm in Python to generate efficient and conflict-free timetables.

HONORS AND AWARDS

- Won Award for **Best Performing Member** of NaSCon 2024
- **Vice President** of IEEE (CS branch) since 2024
- **Deputy Secretary Protocol** of NASCON 2025

VOLUNTEER EXPERIENCE

- **Organizer at the IEEE International Multitopic Conference (INMIC)** — Fast NUCES, Islamabad
  Managed event coordination and logistics for the international conference. — *2022*

- **Volunteer at Ideas Foundation** — Islamabad, Pakistan
  Organized charity events and drives for orphans and the underprivileged. — *May 2022 - September 2024*