Ali Rehman

Kendall Park, NJ | moosaar2001@gmail.com | (848)313-4446 |Website: https://alimrehman.netlify.app
Github: github.com/moosaar2004 | Linkedin: linkedin.com/in/alimoosarehman

EDUCATION

Rutgers University   New Brunswick, NJ
Bachelor of Science in Computer Science   *Dec 2025*
GPA: 3.617 | **Dean's List** (5 of 6 Sem)
Key Coursework: Algorithms, Data Structures, Object-Oriented Programming, Computer Architecture, Discrete Structures, Software Methodology, Systems Programming, Computer Security, IT and Informatics, Internet Technology, Data Science

EXPERIENCE

North Brunswick Pharmacy   *North Brunswick, NJ*
IT Support & Pharmacy Tech   *Jan 2024 – Present*
- Resolved hardware/software issues including register systems, label printers, and connectivity tools, becoming the go to tech troubleshooter for staff.
- Contributed technology-related ideas to streamline operations, demonstrating initiative and applying CS knowledge in a real-world, small business environment.

USACS   *Rutgers University*
Club Member   *Sept 2022 – Present*
- Engaged in weekly coding challenges, technical workshops, and university hackathons to deepen programming and problem-solving skills.

PROJECTS

Stream and Feistel Ciphers – *Java, Linux*   *Feb-Mar 2025*
- Developed a secure Linux-based messaging platform inspired by cryptography coursework.
- Implemented Stream and Feistel ciphers using custom designed encryption rounds, incorporating bitwise operations, modular arithmetic, and secure key handling.
- Added user authentication features to protect message access and ensure data confidentiality.

Photo Album App – *Java, Android Studio*   *Mar-Apr 2024*
- Built a fully functional Android photo album app emphasizing full-stack mobile design.
- Implemented core features including album creation, photo tagging, search with auto-complete, and local persistent storage using object serialization.

My Shell – *C language*   *Apr 2025*
- Programmed a custom shell from scratch in C to deepen knowledge of systems programming and process control.
- Supported core functionalities such as command parsing and execution, I/O redirection, background process management, and signal handling.
- Demonstrated strong understanding of low-level OS mechanisms including forks, pipes, and file descriptors.

Music Platform Relational Database – *Python, MySQL*   *May 2025*
- Designed a comprehensive relational database simulating the backend of a music streaming service.
- Collaboratively implemented a normalized relational database with 12+ schema tables for multiple categories using SQL with primary/foreign keys, and normalization techniques to eliminate redundancy.

TECHNICAL SKILLS

- **Languages**: Java, C, C++, Python, JavaScript, HTML, CSS, C#, Go, MATLAB, R, Node.js, React, SQL, Angular
- **Tools:** Eclipse, VS Code, Linux, Git, MatLab, Jupyter Notebooks, Android Studio, Microsoft Office Suite
- **Concepts**: Object Oriented Programming, Agile Development, Data Structures, Algorithms, Software Deployment
- **Soft Skills:** Strong problem-solving skills, attention to detail, teamwork, leadership, adaptability

ADDITIONAL DETAILS

Languages Spoken: English, Urdu, Hindi, Turkish