

Aseef Durrani

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I am a junior majoring in ECE concentrating in Computer Engineering, fueled by a mindset that welcomes challenges and seeks discomfort. Eager to expand my skills, I'm looking to contribute to innovative solutions in a progressive tech environment.

EDUCATION

Rutgers University, School of Engineering

New Brunswick, NJ

Bachelor of Electrical and Computer Engineering

Sep 2021 – May 2025

- **GPA:** 3.6 / 4.0
- **Relevant Coursework:** Data Structures and Algorithms, Programming Methodology 1, Computer Architecture and Assembly Language, Probability and Random Processes, Principles of Electrical Engineering 2, Electronic Devices, Digital Logic Design, Linear Systems and Signals
- **Honors:** Dean's List Fall 2022, Spring 2023

EXPERIENCE

Hackathon

New Brunswick, NJ

HackRU

Spring 2023

- Won 2nd place for the Health Track. Worked with a team of 2 others to develop a web app aimed at reducing gym overcrowding on campus.
- Developed the app in Python, utilizing third-party services like Streamlit API, optimizing for real-time crowd-level updates based on user input.
- Deployed web app on an Amazon AWS EC2 instance, ensuring scalable and reliable performance.
- Project is publicly available on GitHub: <https://github.com/aseef11/HackRU2023>

Rutgers University

New Brunswick, NJ

Blueprint - Software Engineering Fellowship

Feb 2023 – April 2023

- Assumed the role of a Software Engineer in a fast-paced environment, collaborating with fellow engineers to build a web application using React, JavaScript, and HTML.
- Acquired skills in both frontend and backend architectural components, including the use of version control systems for team collaboration.

Embedded Systems

New Brunswick, NJ

Lab Experience

Spring 2024

- Built a general-purpose processor with application-specific instructions for video and communications
- Familiar with FPGA Zybo Z7 Board
- Utilized Xilinx Vivado Software to Simulate, Test, and Synthesize all Components. Coded using VHDL
- Project Demonstration: https://youtu.be/3OK3IL7_6bE?si=AzNqAUkKN0J7SPZI

Shaq Gives Back Charity Drive

Remote

Team Moderator

Dec 2021 – June 2022

- Maintained communication between our clients, customer success teams, and tech leads to help raise over 2 MILLION USD. This funding provided tens of thousands of toys, clothing, and meals to underprivileged youth across the country.

InShort

Next.js, Typescript, Python, Pinecone, LangChain, OpenAI

July 2024

- Built a personalized news application, providing insights/analyses of current events
- Wrote an automatic Python script to scrape over 125 million articles on the GDELT database
- Employed RAG Pipeline via Pinecone vectors to train the OpenAI model
- Gathered 35+ users on a waitlist in less than 1 week

SKILLS & EXTRACURRICULARS

Languages: English (Fluent), Urdu (Fluent)

Technical Skills: Python, C/C++, RISC-V, Matlab, React, Node.js, Circuit Design, Streamlit, LTSpice, Arduino, Linux

Clubs/Societies: USACS, Rutgers Organization of Cloud Computing, Rutgers Formula Racing