Contact

m.baazilakhlaque@gmail.com

www.linkedin.com/in/
baazilakhlaque (LinkedIn)

Top Skills

Test Automation

Wireless Technologies

5G New Radio (NR)

Languages

Punjabi (Professional Working)

Urdu (Native or Bilingual)

French (Elementary)

Arabic (Limited Working)

English (Native or Bilingual)

Hindi (Professional Working)

Certifications

edX Verified Certificate for Data
Science: R Basics

Honors-Awards

Top 50 National Chemistry Talent
Contest (USNCO Equivalent)

Top 30 "CERN Beamline for
Schools" competition

Bronze Medalist - International
Astronomy and Astrophysics
Competition (IAAC)

100% Merit Scholarship in A levels

Semi-finalists - Asian Regional
Space Settlement Design
Competition (ARSSDC)

Baazil Akhlaque

Prev @ Qualcomm
Rochester, New York, United States

Summary

Hi! I'm a senior at the University of Rochester studying Computer
Science and Economics. I'm passionate about developing secure,
reliable & accurate AI-powered full-stack applications and agents
to solve real-world problems. I enjoy building reliable systems that
scale and applying machine learning to user-facing challenges. I'm
constantly seeking opportunities to learn and grow in these ever-
evolving fields.

Experience

University of Rochester
3 years 1 month

Systems Analyst
October 2024 - Present (1 year 4 months)
Rochester, New York, United States

Revamped the Student Activities and Students' Association Government
websites using HTML, CSS, and Vanilla JavaScript, enhancing user
experience and accessibility for over 6500+ undergraduate students.
Addressed technical challenges, including optimizing load times by 30%,
ensuring mobile responsiveness, and implementing intuitive navigation to
streamline access to resources and campus services.

Teaching Assistant: Data Structures and Algorithms
May 2023 - Present (2 years 9 months)
Rochester, New York, United States

- Assist professors by instructing weekly workshops to explain and
demonstrate algorithms for projects, answering conceptual questions and
reinforcing the concepts students took from class lectures, through promoting
collaboration between the students.
- Lead a weekly discussion section for lecture review with 20+ students
enhancing student's understanding on concepts including hash tables, trees,
graph algorithms, and dynamic programming.
- Hold weekly office hours to upskill students with best coding practices,
optimizing algorithms, and effective debugging strategies.

Research Assistant @ Horizon Lab
May 2024 - August 2024 (4 months)

- Researched with Professor Yuhao Zhu on how Latent Diffusion Models classify, learn & predict artistic styles from images of Chinese paintings.
- Wrote Python scripts to curate a data set of ~3000 paintings scraped from MET, Harvard Art Museum & Princeton University Art Museum using APIs and BeautifulSoup.
- Developed an image preprocessing technique to standardize training images using aspect ratios & data normalization, boosting model training efficiency by 30%.
- Performed image filtering by using OpenAI's 'CLIP' model to collect similar Chinese paintings as per the model.
- Led weekly meetings with the Professor to show progress, present ideas & set up future goals.

Teaching Assistant: Introduction to Web Development
January 2024 - May 2024 (5 months)
Rochester, New York, United States

- Held weekly office hours and sessions to tutor students, code-review, grade and provide feedback for creating responsive websites for their assignments and projects.

Teaching Assistant: Introduction to Computer Science
January 2023 - May 2023 (5 months)
Rochester, New York, United States

Instructed a weekly workshop of students enrolled in CSC 171 course to reinforce and build concepts students took from class lectures, and promote discussions and collaboration between the students.

Rochester Human-Computer Interaction Lab
Full-stack Developer
May 2024 - Present (1 year 9 months)
Rochester, New York, United States

- Develop and maintain a full stack AI application that predicts the likelihood of an individual having the Parkinson's disease and remotely assesses the motor performances of patients.

- Developing a web application using Next.js, Material-UI & Firebase to support the team's creation of an LLM agent for personalized messaging, enabling a human evaluation study to accelerate testing and drive impactful advancements in reducing misinformation through AI.

Qualcomm
Software Engineer Intern
May 2025 - August 2025 (4 months)
San Diego, California, United States

Modem SW - 5G Access Stratum SIF team

Built a tool for 5G Modem Test Execution Framework to automate test cases generation process for Snapdragon 8 Elite Gen 5 modem validation.

Recognized among a select few interns to present my work directly to Vice President of Engineering and several other teams.

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Education

University of Rochester
Bachelor of Science - BS, Computer Science · (August 2022 - May 2026)

CodePath
· (June 2024 - August 2024)

Lahore Grammar School
CAIE A level, Pure Sciences and Mathematics · (August 2020 - August 2022)

Lahore Grammar School
CAIE O level, Pure, Social & Environmental Sciences, Mathematics and Humanities · (August 2017 - August 2020)