Zainab Memon

908-305-7917 | zainab05memon@gmail.com | linkedin.com/in/zainabmmemon/

Education

University of Illinois at Urbana-Champaign — Expected May 2027
Bachelor of Science in Computer Engineering, Minor in Mathematics — GPA: 3.55/4.00
Honors: James Scholar Honor Student, Grainger First-Year Projects Scholar

Relevant Coursework

- Advanced A.I. Web-Apps Development (Django, JS)
- Data Structures (C++)
- Digital Signal Processing (Python)
- Cryptography
- Secure Systems Administration

Certificates & Skills

Certificates: Zscaler Fundamentals of Cybersecurity, Illinois Leadership Certificate, IC3 Digital Literacy Certificate
Programming: C, C++, JavaScript, HTML, CSS, Python, Java, LaTeX, React, SQL
Tools: GitHub, Visual Studio Code, Linux, AMD Vivado, Breadboard Circuitry, Microsoft Office, Adobe Tools, Canva

Experience

Girls Who Code — May 2024 – Aug. 2025
Lead Teaching Assistant — Remote
- Led a team of TAs to deliver JavaScript game development to 350+ students while tracking progress and attendance
- Mentored 60 students via project planning/guidance, 80+ hours of debugging support, and professional development

University of Illinois at Urbana-Champaign — Jan. 2023 – Dec. 2023
Introduction to Computer Science I Course Staff — Champaign, IL
- Recorded homework solution walkthrough videos and provided debugging support for homework & machine projects
- Trained course assistants in Java concepts, grading standards, and student support strategies, to serve 500+ students

Illinois Mathematics Lab (formerly Illinois Geometry Lab) — Jun. 2022 – Jul. 2022
Summer Research Intern — Champaign, IL
- Developed Python programs to represent generalizations such as Waring's problem and Quadratic forms
- Researched expression of natural numbers as the sum of four squared integers & authored findings in a 9-page report

Projects

Smart Home Automation App | *React Native (Expo), Node.js, npm, Git, Android Studio* — Aug. 2024 – Present
- Developed an app for smart home lighting control using React Native and Expo, integrating multiple smart devices
- Enabled remote lighting automation and visualized real-time energy consumption to optimize energy efficiency

AcademiCal (Startup) | *Svelte, SvelteKit, Google Gemini API, Tailwind CSS, Cloudflare* — Jan. 2025 – Present
- Created SvelteKit web app that parses course syllabi, .ics, & spreadsheets to auto-generate personalized calendar files
- Improved student deadline tracking and management by extracting key dates and integrating with Google Gemini API

Leadership Certificate Website | *HTML, CSS, JavaScript* — May 2025 – Oct. 2025
- Designed and deployed a responsive HTML/CSS/JavaScript website highlighting leadership and personal growth
- Implemented animations, interactivity, and a dynamic navigation bar to enhance functionality and user experience

Fatima4Unit4 (Campaign Website) | *HTML, CSS* — Feb. 2025 – Mar. 2025
- Built a campaign website using HTML/CSS, optimized for smooth functionality on multiple devices
- Researched and integrated ballot access information to support the candidate and increase civic engagement

Extracurriculars

ECE Student Advancement Committee — Aug. 2024 – Present
Publicity Chair, Academic Affairs Team Member — University of Illinois at Urbana Champaign
- Established the new organization website, migrating old content to new domain and continuously updating content
- Organized department-wide events and led circuit demos that engaged 1,000+ visitors during outreach initiatives
- Designed promotional content with Canva and Photoshop & grew Instagram engagement by 31.7%

Illinois Student Council — Apr. 2024 – Present
Vice Chair of Environmental Sustainability, Engineering Representative — University of Illinois at Urbana Champaign
- Organized Trash Clean-Up, Clothing Swap, and Earth Week events to promote and expand sustainable practices
- Directed committee operations, overseeing agendas, logistics, and attendance to facilitate productive meetings
- Led civic engagement initiatives, including voter registration drives and the South Asian Student Experience panel