

Mohamed Noor

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EDUCATION

Arizona State University, Ira A. Fulton Schools of Engineering, Tempe, AZ.

Present

Bachelor of Science, Computer Science

GPA: 3.4

Relevant Coursework: Data Structures, Algorithms and Analysis, Object-Oriented Programming, Digital Design Fundamentals. Coursework included logic gate design, combinational and sequential circuit analysis, flip-flops, state machines, and Verilog HDL. Gained experience in website building and design, learning HTML, CSS, and JavaScript to create responsive and interactive web applications.

SKILLS

Programming Languages: Python, Java, C, C++, Javascript, HTML, CSS, SQL, MATLAB, Assembly, Prolog, Lisp

Web Development: Front-end development with HTML, CSS, and JavaScript; experienced in building and styling websites with responsive layouts and interactive features

Version Control: Experienced with Git and GitHub for collaboration and source control

Algorithms & Data Structures: Solid understanding of common algorithms (search, sort, etc.) and data structures (linked lists, trees, hash maps)

Database Management: Familiar with SQL and relational database concepts

Teamwork & Communication: Effective in working collaboratively with teams and communicating technical ideas clearly

Additional Skills: Microsoft Excel, Word, PowerPoint, Business Analytics.

PROJECTS

Autonomous Mobility Support Robot

- Designed and built an autonomous robot to assist with mobility tasks in indoor environments.
- Integrated sensors and mechanical lifting arms to identify and assist wheelchair-bound passengers.
- Programmed navigation and control systems using **MATLAB** to automate route planning and obstacle avoidance.
- Used sensor-guided pathfinding to safely execute pickup and drop-off operations.

Personal Calculator

- Developed a single-page 4-function calculator using **HTML**, **CSS** (Flexbox, Grid, variables), and **JavaScript**.
- Designed a nature-inspired UI with frosted glass effects and a custom color palette.
- Implemented accessibility features, keyboard support and maintained a clean, modular codebase.

Portfolio Website

- Built a personal website to showcase skills, resume, and projects.
- Used **JavaScript** along with **HTML** and **CSS** to design a clean and responsive interface.
- Implemented intuitive navigation and optimized layout for both desktop and mobile devices.
- Ensured accessibility and fast loading through performance-focused development.

OTHER EXPERIENCE

Direct Support Professional, Matread Care, Tempe, Az

March 2022 - March 2025

- Monitored daily living for residents with disabilities, including hygiene, meals, and outings
- Maintained accurate daily care logs for 6–8 residents, ensuring 100% compliance with individualized support plans and state care regulations
- Fostered independence in 6+ residents by supporting skill-building in cooking, hygiene, and communication, leading to increased self-sufficiency and engagement in daily routines