Mohammad Nusairat

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WORK EXPERIENCE

Outlier **Remote**
Software Developer - AI Trainer *July 2024 - Present*
- Evaluating the quality of AI-generated code, including human-readable summaries of my rationale.
- Enhanced the accuracy of LLM's code by solving complex coding problems with functional and efficient code
- Writing robust test cases to confirm code produced from the model works efficiently and effectively.
- Using prompt constraints and response requirements to effectively rate the AI model.

Headstarter AI **Remote**
Software Engineering Fellow *July 2024 - August 2024*
- Built 5 AI apps & APIs using NextJs, OpenAI, Pinecone, StripeAPI with 98% accuracy as seen by 1000 users
- Developed projects from design to deployment leading 4+ engineering fellows using MVC design patterns
- Coached by Amazon, Bloomberg, and Capital One engineers on Agile, CI/CD, Git and microservice patterns

Associate in Pediatrics **Elgin, IL**
Certified Nursing Assistant *Sept 2021 - July 2022*
- Delivered specialized care to pediatric patients in a clinic setting, ensuring their comfort and well-being through skilled assistance with medical procedures and compassionate interaction.

EDUCATION

University of Illinois at Chicago **Chicago, IL**
B.S. in Data Science with a Concentration in Computer Science, GPA: 3.56 *August 2021 - May 2025*
- Relevant Coursework: Data Structures & Algorithms, Software Design, Programming Language Design, Computer Algorithms, Applied Statistical Methods, Statistical Techniques for Machine Learning and Big Data

PROJECTS

OpenStreetMap Application
- Optimized meeting locations on campus, by solving the shortest walking path to a midpoint-building between two campus buildings, in C++
- Loaded OSM (OpenStreetMap) data into an Directed Weighted Graph
- Implemented Dijkstra's Shortest Path Algorithm to find shortest path between two points

Interstellar Travel Application
- Automated flight plans between solar systems in C++ by parsing celestial data files
- Utilized Classes, Inheritance, and Polymorphism to model celestial bodies, solar systems, and flight paths
- Users can plan flight paths between solar systems by selecting valid destinations and visualizing route connections

LEADERSHIP EXPERIENCE

Muslim Students Association (MSA) **University of Illinois at Chicago**
Executive Officer *August 2021 - May 2025*
- Leading education function of the largest university student organization, body of 4,000+ Muslim students
- Delivered speeches in front of crowds of 500+ students
- Led board in providing guidance and programming on Spiritual Well Being, Academic Excellence, Physical/Social Wellbeing, Community Outreach, and Organizational Planning & Administration

SKILLS & CERTIFICATIONS

Programming Languages/Data Analysis: Python, C, C++, R, SAS, SQL

Certifications: SQL for Data Science, Certified Nursing Assistant, EKG Technician