

Raameen Ahmed

US Citizen | (586) 525-2090 | [linkedin.com/in/raameena/](https://www.linkedin.com/in/raameena/) | github.com/raameena | raameenahmed1@gmail.com | Troy, MI

EDUCATION

University of Michigan - Dearborn

Dearborn, MI

Bachelor of Science in Data Science, Concentration in Computational Intelligence | **GPA: 3.4** | Expected May 2027

- **Relevant Coursework:** Data Structures and Algorithms, Applied Statistics, Massive Data Management, Object Oriented Programming, Discrete Math, Multivariable Calculus, Linear Algebra

EXPERIENCE

Data Analytics & Modeling Research Assistant

April 2025 – August 2025

University of Michigan - Dearborn

Dearborn, MI

- Performed advanced **data mining** and analytics on a database of **2M+** records; developed **data models** revealing a **497.5%** surge in assault/battery incidents despite a **44.5%** shooting reduction, driving policy proposals
- Engineered an **ETL pipeline** to validate spatial correlations, applying mathematical and geostatistical models to identify **4** underserved high-risk intersections with **98-108+** annual shootings
- Spearheaded research team's final proposal, projecting **\$1.5M** annual savings via optimized hospital placement at critical hotspots with **1,060+** shootings, informing urban policy recommendations for Wayne County

Information Technology Consultant

September 2024 – Present

University of Michigan Information and Technology Services

Dearborn, MI

- Resolved **200+** weekly tickets via TeamDynamix, Izzy, and Lansweeper with 95% SLA adherence; coordinated with operat/security/academic teams to handle **300+** hardware requests, improving response time by **30%**

Information Technology Intern

June 2023 – August 2024

Utica Community Schools

Sterling Heights, MI

- Automated imaging and BIOS setup for **3,000+** iOS/Windows devices using KillDisk, shell scripts, and custom workflows, reducing setup time by 60% and standardizing configurations across campus labs
- Reimaged **8,000+** devices, maintained inventory for **25,000+** assets, resolved support tickets efficiently, and streamlined audits to minimize downtime and ensure operational readiness across campus tech systems

LEADERSHIP

Vice President of External Relations

February 2025 – Present

Data Science Association

Dearborn, MI

- Securing **\$5K+** in funding and building partnerships with **5+** companies through targeted networking
- Planning **3+** career development events with industry partners to expand networking opportunities for members
- Boosted visibility by creating club website using **HTML, CSS, and JavaScript**, attracting **10+** new members

PROJECTS

Hotspot Detector: 911 Call Volume Study | [GitHub](#) | *MySQL, GeoPy, R Markdown, tidyr, dplyr, ggplot2*

- Designed and implemented a custom **ETL pipeline** in **Python** and **MySQL** to process, clean, and geocode **2M+** records, enabling high-precision **data analytics** and mining for spatial patterns in 911 call data
- Developed **data models** and solutions to identify statistically significant hotspots; created interactive maps highlighting **29** critical locations to inform data-driven public safety and urban planning strategies

KnowIt AI | [Demo](#) | [GitHub](#) | *Flask, SQLite, SymPy, PyPDF2, Wolfram Alpha API, RESTful APIs, React, HTML, CSS*

- Built a **full stack** AI tutoring platform using **React** and **Flask** microservices, reducing code complexity by **50%** through modular architecture and intelligent query routing across **5+** academic domains
- Constructed a **RESTful API** system integrating Gemini AI, Wolfram Alpha, and SymPy to handle **500+** real-time queries in **48 hours**, including math solving with step-by-step tutoring and PDF-based answering
- Orchestrated custom **prompt engineering** templates within the Gemini-powered system, facilitating nuanced and relevant academic assistance, leading to a **30%** increase in user engagement

TECHNICAL SKILLS

Programming & Development: Python, C/C++, R, SQL, HTML, CSS, JavaScript, Java

Frameworks & Libraries: Flask, RESTful APIs, Node.js, React, SymPy, NumPy, Pandas, Matplotlib, ggplot2, dplyr

Developer Tools: VS Code, Xcode, Visual Studio, Jupyter Notebook, R Markdown, SQL Tools, Git & GitHub

Systems, Databases & Cloud: AWS, Linux/Unix, MySQL, SQLite, Shell Scripting

Technical Interests: Data Governance, Full-Stack, Machine Learning, Computer Vision