

Sharanya Manohar

smanoh6@uic.edu | (312) 900-6719 | Chicago, IL 60607

Website- <https://sharanyamanohar2110.github.io>

Github- www.github.com/sharanya2110

LinkedIn - www.linkedin.com/in/sharanya211097

EDUCATION

University of Illinois at Chicago

Master of Science in Computer Science

Chicago, IL

May 2023

Relevant Coursework: Computer Algorithms, Data science, Machine Learning, Database systems, Statistical NLP, Advanced Data Mining, Information Retrieval.

Visvesvaraya Technological University

Bachelor of Engineering in Electronics and Communications

Karnataka, India

August 2016 – June 2019

Relevant Coursework: Programming in C & Data Structures, Object Oriented Programming using C++, Operating Systems, Artificial Neural Networks, Computer Communication Networks.

SKILLS

Programming Languages

: Python, SQL, JavaScript, AJAX, Scala, C++, Haskell

Software and Tools

: Git, Tableau, DataBricks, Tensor Flow, AWS, Jupyter Notebooks, web2py, Linux OS

WORK EXPERIENCE

School of Management – UIC

Teaching Assistant – MGMT 350

Chicago, IL

August 2022 – Present

- Assisted the respective faculty in teaching a class of over 250 for the course Business & its External Environment.
- Formulated ground plans to keep track of student performance and hence suggest scope for improvisations.
- Implemented strategies to scrutinize performance and create detailed documentation in accordance with course goals.

Discovery Partners Institute – UIC

Web Developer – Graduate Hourly Student Worker

Chicago, IL

May 2022 – Present

- Research suitable to optimize the placement of electric vehicle chargers in the city of Chicago.
- Extensive use of Google maps API in generating existing Electric vehicle charger information imperative to efficient computations.
- Optimized algorithm which handles assignment of electric vehicles owners to charging stations based on various constraints using Python and Django.
- Developed an interactive User Interface to visualize charging stations, owners and walking distance using JavaScript and Ajax for user convenience.

Center for Research in Space Science and Technology - PES

Research Associate - Python Developer

Bengaluru, India

August 2019- September 2020

- Designed and maintained the User Interface non-trivial to efficient operation of the Satellite Telemetry.
- Analyzed performance of the nano satellite by structured visualization of quantitative readings.
- Created ideas for use of alternate user interface platforms for better reach of forecasts to larger and remote audience.
- Optimized development products to be systematically considered under budget assigned.
- Enhanced productivity by simultaneously working among teams of developers and promptly presenting findings to senior research scientists in the department.

Technofly Solutions

Project Intern

Bengaluru, India

May 2018- August 2018

- Coordinated project programming within a team of 4 interns by equally contributing towards accomplishment of solutions to problem statements.
- Synthesized prototypes for independent automated projects.
- Remodeled services by carefully considering queries raised by clients.
- Participated in active trouble shooting of performance issues and hence prioritized insightful learning in the process.

LEADERSHIP AND ACTIVITIES

Vehicles Electronics and Systems Engineering Club -UIC

Chicago, IL

Student Member

August 2021-Present

- Assisting a team of student enthusiasts in exploring various engineering challenges in the area of vehicle design.
- Active part of the autonomous vehicles subgroup in designing better computer vision algorithms for complete automation of vehicle steering.

Leadership Book Club- UIC

Chicago, IL

Active Member

August 2021-Present

- Engaged in extensive review of leadership reads suggested for the semester.
- Involved with an eager group of active readers that meet once a month to discuss book critiques and common interests.

Acharya Habba – Techno Cultural fest

Bengaluru, India

Core Team Lead – Event planning and management

March 2016- March 2019

- Supervised a team of 350 student volunteers in organizing one of the city's biggest student festivals.
- Orchestrated more than 30 creative and onstage events to achieve maximum participation and student engagement.
- Ensured effective budgeting and financial management.
- Assisted in creating marketing strategies to attract potential sponsors and vendors.

Languages : French (Beginner), Spanish(Beginner), American Sign Language(Beginner)

Interests : **GHC 2022**, Classic/Fictional Books, Performing Arts, Formula 1 Racing, Video editing