

Sharanya Manohar

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[Website](#) | [Github](#) | [LinkedIn](#)

EDUCATION

University of Illinois at Chicago, Chicago, IL

August 2023 - May 2023

Master of Science in Computer Science

Relevant Coursework: Computer Algorithms, Data science, Machine Learning, Database systems, Statistical NLP, Advanced Data Mining and Text mining, Information Retrieval, Big Data Visualization and Visual Analytics.

Visvesvaraya Technological University, Karnataka, India

August 2016 – June 2019

Bachelor of Engineering in Electronics and Communications

Relevant Coursework: Programming in C & Data Structures, Object Oriented Programming using C++, Operating Systems, Artificial Neural Networks, Computer Communication Networks, VLSI circuit design, Microprocessors, Digital Systems

AREAS OF STRENGTH

Programming Languages and Frameworks : Python, JavaScript, TypeScript, AJAX, Scala, C++,
Django, Flask, Angular, web2py

Data Analytics : SQL, Git, Tableau, DataBricks, Pandas

Software Development Methodologies : Scrum, Agile, System Design

Machine Learning and Data Processing : Tensor Flow, Apache Spark, Octave, Jupyter Notebooks, AWS, Kubernetes

WORK EXPERIENCE

School of Management - UIC, Chicago, IL

August 2022 - May 2023

Teaching Assistant - MGMT 350

- Provided support to faculty in teaching a large class of over 250 students for the course Business & its External Environment
- Developed and implemented plans to monitor student performance, identifying and suggesting enhancements
- Implemented effective strategies to evaluate performance and created detailed documentation aligning with course objectives
- Collaborated with faculty to continuously improve the learning experience and ensure alignment with course goals

Discovery Partners Institute - UIC, Chicago, IL

May 2022 - August 2022

Software Developer - Graduate Hourly Student Worker

- Conducted research to optimize the placement of electric vehicle chargers in Chicago
- Utilized Google Maps API to generate information on over 650 electric vehicle charging stations
- Optimized algorithms for assigning owners to charging stations using Python and Django
- Developed an interactive user interface using JavaScript and Ajax for visualization and user convenience

Center for Research in Space Science and Technology - PES University, Bengaluru, India

August 2019 - Sept 2020

Software Python Developer - Research Associate

- Designed and maintained satellite telemetry user interface, enabling efficient performance analysis through structured data visualization, reducing manual interpretation time by 5 hours.
- Devised alternative user interface platforms to optimize audience reach and collaborated with cross-functional teams
- Optimized 3 development products within budget constraints while ensuring effective operation of satellite telemetry
- Supported cross-functional collaboration, by presenting findings to senior research scientists, and contributing to the enhancement of satellite performance analysis through regular trouble shooting and technical support

Illinois Ventures - UIC, Chicago, IL

May 2022 - May 2023

Graduate Hourly Student Worker - Operations Management

- Oversaw research on best practices, university procedures, and potential operating systems
- Contributed to projects related to creating potential funds, including database management and profiling potential partners
- Conducted interviews with female biomedical researchers to understand barriers and support their professional success
- Assisted the Operations Coordinator with minimal supervision

LEADERSHIP AND ACTIVITIES

Vehicles Electronics and Systems Engineering Club - UIC, Chicago, IL

August 2021 - May 2023

Student Member

- Assisting a team of student enthusiasts in exploring various engineering challenges in vehicle design
- Actively involved in the autonomous vehicle's subgroup, focusing on designing computer vision algorithms for automated steering