Sharanya Manohar

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Website | Github | LinkedIn

EDUCATION

University of Illinois at Chicago, *Chicago, IL* **August 2021 - 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 2015 - 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

SKILLS

Programming Languages and Frameworks	**:** Python, JavaScript, TypeScript, AJAX, Scala, C++, Django, Flask, Angular, web2py
Data Analytics	**:** SQL, PostgreSQL, Git, Tableau, DataBricks, Pandas
Software Development Methodologies	**:** Scrum, Agile, System Design, CI/CD pipelines
Machine Learning and Data Processing	**:** AWS, TensorFlow, Snowflake, Apache Spark, Octave, 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

Acharya Habba - Techno Cultural fest, *Bengaluru, India* **March 2016 - March 2019**
Core Team Lead - Event planning and management
- Supervised a team of 350 student volunteers in successfully organizing one of the city's largest student festivals
- Orchestrated over 30 creative and engaging events, ensuring maximum student participation and engagement
- Implemented effective budgeting, financial management, and collaborated in creating impactful marketing strategies to attract sponsors and vendors