Rohan Karle Sudarshan

Chicago, IL - 60607

📞 312-823-5767 ✉ rks210471@gmail.com 🔗 linkedin.com/in/rohankarlesudarshan 🔗 github.com/rohansudarshan1810

Education

University of Illinois Chicago   **Aug 2023 – May 2025**
Master of Science in Computer Science - 4.0/4.0   *Chicago, Illinois*

Visvesvaraya Technological University (VTU)   **Aug. 2019 – July 2023**
Bachelor of Engineering in Computer Science - 3.95/4.0   *Bengaluru, India*

Experience

University of Illinois Chicago   **Jan 2024 – Present**
Graduate Assistant - Full Stack Web Developer   *Chicago, Illinois*
- Orchestrated the full development of the CHIME website, utilizing WordPress to create a responsive, user-friendly interface with custom themes and plugins.
- Currently working on building a new website using **React.js, Angular, WordPress, Node.js, MongoDB** and **SQL** For University of Illinois Chicago - 🔍 chime.uic.edu/in/rohankarlesudarshan

Starship Technologies   **Jan 2024 – Present**
Robotics Engineer   *Oregon,USA*
- Skilled in the maintenance, repair, and optimization of cutting-edge autonomous delivery robots, ensuring operational efficiency and high uptime across fleets.
- Advanced Troubleshooting Diagnostics: Proficient in diagnosing complex mechanical, electrical, and software issues, resolving JIRA tickets, used Confluence and utilizing data-driven approaches and hands-on expertise to enhance robot performance and reliability.

Healthonnet Intl Ltd   **Nov 2021 – Jun 2023**
Full Stack Web Developer   *Bengaluru, India*
- Designed, developed, and optimized complex stored procedures, functions, and views in **MS SQL Server and Azure SQL**, improving database performance and supporting application scalability.
- Developed responsive and dynamic UI components using **JavaScript, HTML, CSS, and React, converting Figma** designs into functional, cross-device compatible interfaces for mobile, tablet, and desktop
- Implemented secure authentication and authorization using JSON Web Tokens (JWT) for RESTful APIs, ensuring adherence to HTTP protocols and improving application security.

Projects

Predictive Analytics in Healthcare *Chicago, USA*

Developed and deployed a predictive model using supervised learning techniques to forecast patient readmission rates and reducing hospital readmissions

Leveraged Python, TensorFlow, and Scikit-learn to optimize the model, resulting the reduction in computation time during training and inference phases.

Database System for UI Health (UIH) Vaccination Scheduling *Chicago,USA*
- Developed a robust backend system using MySQL for UI Health's vaccination management, streamlining patient scheduling and nurse assignments which improved data accuracy by 40 percent.
- Created a web-based GUI with JavaScript, incorporating role-specific functionalities for admins, nurses, and patients, leading to a 50 percent increase in operational efficiency.

Technical Skills

Programming Languages: C, C++, Python, SQL, Bash, JavaScript
AI/ML Frameworks: TensorFlow, Keras, PyTorch, Scikit-learn
Web Technologies: JavaScript, HTML, CSS, ReactJS, Flask, Django
Cloud/Database: AWS (S3, EC2), MySQL, MongoDB, PostgreSQL
Libraries/Data Processing:Numpy, Pandas, Matplotlib, Seaborn, OpenCV, Git, JIRA, Docker, Kubernetes

Leadership / Involvement

- In progress **AWS Data Engineer Certification.**
- Hold the credit of participating in **24 hours State Level Hackathon "HACK-A-LEAGUE".**
- Secured **1st Place** in GAT Presentation for Blockchain and IoT Integration Project
- Worked as a **Coordinator of IT Virtuoso Club** of Computer Science and Engineering department of Global Academy of Technology and have hosted many technical and non technical events for my peers.