

SUSHRUTH DANIVASA SRIDHAR

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EDUCATION

University of Wisconsin – Milwaukee Master of Science in Computer Science, CGPA: 3.80/4	September 2023 - May 2025
Dayananda Sagar Academy of Technology and Management Bachelor of Engineering in Information Science, CGPA: 8.3/10	August 2018 - July 2022

SKILLS

Programming Languages: Python, C, JavaScript, TypeScript, Java
Web Technologies: HTML5, CSS3, React.js, Django, Flask, REST APIs
Cloud and DevOps: Azure, Amazon Web Services (EC2, Lambda), GCP
Containerization and Deployment: Docker, Kubernetes, CI/CD Pipelines
Databases: MySQL, PostgreSQL, MongoDB, SQL, NoSQL
Tools and Version Control: Git, GitHub, Linux, Visual Studio Code, Postman
Coursework: Data Structures and Algorithms, Machine Learning, Natural Language Processing, Cloud Computing

Work Experience

Software Analyst, KPMG <ul style="list-style-type: none">Led the migration of 10+ business-critical applications to Microsoft Azure and AWS using Databricks, modernizing legacy systems into distributed cloud-native architectures and reducing operational overhead by 15%.Designed and deployed AI-driven cloud systems and led API development using RESTful standards, enabling scalable microservices that improved maintainability and accelerated feature delivery by 30%.Optimized PostgreSQL data workflows, boosting query performance across high-volume pipelines.Automated CI/CD pipelines with GitHub Actions and Jenkins, cutting deployment time by 40% and increasing release stability via rigorous software testing and code reviews.Containerized microservices with Docker and orchestrated deployments across environments, integrating DevOps best practices into the software development lifecycle (SDLC).	August 2022 – July 2023
Software Developer Intern, WIPRO <ul style="list-style-type: none">Designed and developed RESTful APIs and backend services using Java and MongoDB, applying object-oriented programming (OOP) principles to improve code modularity and data access efficiency by 20%.Collaborated with a cross-functional Agile team on sprint planning and debugging, reducing post-deployment issues by 10%.Wrote unit and integration tests for backend services, improving test coverage by 25% and ensuring more reliable releases.	March 2022 – May 2022

Projects

UWM College Chatbot – AI-Powered Student Assistant Link <ul style="list-style-type: none">Developed a full-stack AI chatbot using Flask, Google Gemini API, and a custom dataset scraped from UWM CS websites, enabling context-aware responses through LLM prompt engineering.Implemented backend APIs for Gemini query handling, chat session context, and appointment workflows using Flask-Mail and structured logging via JSON and CSV files.Designed and deployed a responsive frontend with HTML, CSS, and JavaScript featuring animated UI and asynchronous request handling, hosted on Azure App Service and tested with 100+ real-world queries at over 95% response accuracy.	May 2025
Traffic Sign Recognition Link <ul style="list-style-type: none">Trained a deep learning model with CNNs for traffic sign classification to enhance autonomous driving and ADAS, using the GTSRB dataset with 50,000+ images across 40+ classes.Constructed data preprocessing, augmentation, and evaluation modules in Python using NumPy, OpenCV, and TensorFlow, managed with Git version control, achieving 98.52% test accuracy.	December 2024
ELIXIR Link <ul style="list-style-type: none">Created an e-commerce platform using full stack development with Flask (Python) for backend and HTML, CSS, and JavaScript for frontend, enabling product browsing, cart functionality, and secure checkout.Engineered user authentication, category-based filtering, and CRUD operations with SQLite, boosting user engagement by 30% through improved UI/UX.	March 2022

Certifications

<ul style="list-style-type: none">Associate Cloud Engineer, GoogleArtificial Intelligence, Verzeo	October 2022 July 2021
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Publications

Smart Metering System, IJRESM <ul style="list-style-type: none">Published a paper detailing the design and implementation of an IoT-based smart energy meter	April 2022
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Achievements

<ul style="list-style-type: none">Awarded Best Use of Azure AI Tools at CSI Hackathon for developing an Agentic AI solution	April 2025
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