

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, 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 that supported higher workloads and reduced overhead by 15%.Designed and deployed AI-driven cloud architectures and led API development using RESTful standards, building scalable microservices that improved maintainability and accelerated feature delivery by 30%.Optimized backend data workflows using PostgreSQL, improving query efficiency and system performance across high-volume pipelines.Automated CI/CD pipelines using GitHub Actions and Jenkins, reducing deployment time by 40% and enhancing release stability through rigorous code reviews and software testing.Containerized applications and microservices using Docker, and orchestrated multi-environment deployments by 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 in an 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

Project Experience

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, 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">Built and trained a deep learning model with Convolutional Neural Networks (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 a full-featured 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 product filtering, and CRUD operations with SQLite, enhancing data flow efficiency and driving a 30% increase in user engagement through improved UI/UX.	March 2022

Certifications

Associate Cloud Engineer, Google	October 2022
Artificial Intelligence, Verzeo	July 2021

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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