

SUSHRUTH DANIVASA SRIDHAR

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Education

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

Skills

Backend: Python, Java, Flask, Django, REST APIs, FastAPI, Microservices, JWT
Frontend: HTML, CSS, JavaScript, React.js
Cloud Platforms: Amazon Web Services (S3, EC2, Lambda), Azure, Google Cloud Platform
DevOps: Docker, Kubernetes, GitHub Actions, Jenkins, CI/CD Pipelines
Database: PostgreSQL, MongoDB, SQL, MySQL, NoSQL
Tools: Git, Linux, Bash (Shell scripting), Postman
Certification: Azure Developer Associate (AZ- 204)

Work Experience

Naviget <i>Software Engineer</i>	July 2025 – Present Saratoga, California
<ul style="list-style-type: none">Engineered 10+ RESTful APIs with Python (FastAPI) on AWS (S3, Lambda, EC2) for image uploads, metadata tagging, supporting 5,000+ monthly uploads and accelerating new feature rollout by 25%.Refactored backend video rendering pipelines with modular task queues and caching, optimized for 500+ concurrent sessions, boosting maintainability by 30%.Orchestrated authentication and media-processing microservices with Docker and Kubernetes, collaborating with a 6-member team to reduce deployment failures by 30% throughout software development life cycle (SDLC).Resolved 20+ production issues including API timeouts and Lambda cold-starts across AWS services and built Postman-based integration tests, strengthening platform stability by 35%.	

KPMG <i>Software Engineer</i>	August 2022 – July 2023 Karnataka, India
<ul style="list-style-type: none">Built a React.js and Flask dashboard with PostgreSQL to monitor financial operations, deployed via Docker and CI/CD pipelines, reducing downtime by 25%.Led end-to-end migration of 10+ internal data-processing apps to Azure, AWS with Databricks, cutting overhead by 15%.Automated multi-stage CI/CD pipelines via GitHub Actions and Jenkins, speeding up release cycles by 40%.Tuned Oracle queries and indexing for high-volume backend ETL pipelines, lowering peak-hour query latency by 20%.Implemented REST APIs with Flask and PostgreSQL to securely expose reporting data, improving performance under load.Collaborated with cross-functional Agile SCRUM teams in sprints and code reviews to resolve critical production bugs, decreasing rollback incidents by 30%.	

WIPRO <i>Software Engineer</i>	March 2022 – May 2022 Karnataka, India
<ul style="list-style-type: none">Programmed flight reservation and cancellation modules using Java and MongoDB, minimizing transaction errors by 20%.Reengineered backend transaction workflow with optimized MongoDB operations and enhanced concurrency control, improving system reliability and performance by 28%.Architected service-layer with OOP principles, streamlining feature integration and eliminating code duplication.	

Projects

College Chatbot – AI Powered Assistant Live	May 2025
<ul style="list-style-type: none">Developed a full-stack AI chatbot leveraging Python, Flask and Google Gemini API, integrating LLM prompt engineering, NLP and semantic intent detection for context-aware, multi-turn interactions with 650+ users.Designed and deployed an interactive frontend with HTML, CSS and JavaScript on Azure, implementing asynchronous query handling for sub-second latency and 92% response accuracy.	
Traffic Sign Recognition GitHub	December 2024
<ul style="list-style-type: none">Trained a machine learning model with Python, TensorFlow, Pandas and OpenCV on the GTSRB dataset, achieving 98.5% test accuracy through cross-validation and hyperparameter tuning.Created data preprocessing, augmentation, and evaluation pipelines to improve model generalization, versioned with Git.	
ELIXIR GitHub	January 2024
<ul style="list-style-type: none">Created an e-commerce app with Flask, session-based cart, secure checkout, and responsive HTML, CSS, JavaScript UI.Constructed user authentication, category filtering, and CRUD with SQLite, applying data structures and algorithms to streamline filtering logic and increase user engagement by 30%.	