

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: 8.30/10	August 2018 - July 2022 Karnataka, India

Skills

Backend: Python, Java, FastAPI, Flask, REST APIs, Microservices, JWT, Redis
Frontend: React, TypeScript, JavaScript, HTML, CSS
Database: PostgreSQL, MongoDB, MySQL, SQL, NoSQL
Cloud & DevOps: Azure, AWS, GCP, Docker, Kubernetes, Jenkins, GitHub Actions, CI/CD
Tools: Git, Linux, Bash (Shell Scripting), Postman, Agile/Scrum
Certification: Azure Developer Associate (AZ-204)

Work Experience

Naviget <i>Software Engineer</i>	June 2025 - Present <i>Saratoga, California (Remote)</i>
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- Built backend RESTful APIs for authentication, tenant management, and metadata handling using Python and FastAPI route logic with request validation supporting a production system with 95% uptime.
- Implemented asynchronous execution logic in the video rendering pipeline by integrating Redis-backed task queues, reducing API response latency by 35%.
- Automated API test cases to validate request flows, edge cases, and error handling using Postman collections integrated into GitHub Actions for continuous validation.
- Spearheaded media optimization functionality by writing backend rules that dynamically adjusted rendering parameters, reducing processing time by 30%.

KPMG <i>Software Engineer</i>	August 2022 - July 2023 <i>Karnataka, India</i>
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- Developed backend services and data APIs for a real-time financial analytics dashboard by implementing Flask routes and PostgreSQL queries, improving query efficiency by 48%.
- Integrated anomaly detection function into Python APIs by applying AI/ML classification outputs to detect irregular patterns, reducing manual investigation time by 50%.
- Refactored monolithic backend code into microservices by separating authentication, reporting, and data-processing logic.
- Refined API performance by optimizing request handling logic and SQL queries, increasing throughput by 20%.
- Configured 10+ CI/CD deployment workflows using Jenkins to support releases of backend APIs and analytics services during migrations to AWS/Azure.
- Resolved production issues by debugging backend services, reviewing code changes, and collaborating with Agile Scrum teams to reduce post-deployment defects.

WIPRO <i>Software Engineer</i>	March 2022 - May 2022 <i>Karnataka, India</i>
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- Redesigned backend functionality for flight reservation and cancellation systems using Java and MongoDB, reducing booking errors by 20%.
- Improved system stability by 28% by addressing concurrency issues and optimizing MongoDB query execution.
- Programmed service-layer code using OOP principles to improve readability, reuse, and maintainability.

Projects

College Chatbot - AI-Powered Assistant Live
<ul style="list-style-type: none">Engineered a full-stack AI chatbot by integrating an LLM for request handling, prompt construction, and response processing using Python, Flask, and Google Gemini API to support 950+ users.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
<ul style="list-style-type: none">Trained a high-accuracy machine learning model by achieving 98.5% test accuracy with Python, TensorFlow, Pandas, and OpenCV through cross-validation and hyperparameter tuning.Strengthened model robustness by adding preprocessing steps, checkpointing logic, and Git version control.

ELIXIR GitHub
<ul style="list-style-type: none">Created an e-commerce application with Python, Flask routes, SQLite, and UI components featuring secure checkout.Enhanced the data layer with optimized algorithms and data structures, increasing search speed and boosting user engagement by 30%.