

Sudharshan Saravanakumar

Indian Citizen | sudharshan.rangas@gmail.com | +91 7418595772 | LinkedIn: linkedin.com/in/sudharshan-saravanakumar |
GitHub: github.com/Sudharshan-Saravanakumar

EDUCATION

Vellore Institute of Technology

B.Tech in Computer Science and Engineering

Vellore, Tamil Nadu

Expected Graduation, July 2026

- **CGPA:** 8.31/10.0
- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Computer Organization and Architecture, Machine Learning, Artificial Intelligence, Software Engineering, Object-Oriented Programming

EXPERIENCE

iAgami Technologies Pvt Ltd

Backend Engineer Intern

Trichy, Tamil Nadu

May 2025 – Jun 2025

- Designed 10+ AWS Lambda functions with Lambda layers, improving processing speed by 35%
- Implemented 15+ server less workflows using AWS Step Functions, seamlessly integrating REST APIs and rigorously tested with Postman, resulting in a 65% reduction in execution time and enhanced operational efficiency
- Set up CloudWatch Logs, Alarms, and Dashboards to monitor API health, track error rates, and visualize system metrics, reducing debugging time and improving uptime by 40%

Mescope Solutions

Full-Stack Engineering Intern

Salem, Tamil Nadu

May 2024 – Jun 2024

- Enhanced frontend responsiveness using modern UI design techniques, resulting in a 40% decrease in load times and a smoother, more responsive user experience
- Contributed to backend feature development using PHP, improving performance and data flow efficiency by 30%
- Improved query performance by 35% by optimizing complex MySQL queries and database interactions, while also validating APIs using Postman to ensure accurate and reliable data transmission

PROJECTS

File Sharing App

Apr 2025 – Jun 2025

- Developed a full-stack file sharing platform using Spring Boot (REST APIs) and ReactJS with PostgreSQL for persistent data storage
- Integrated AWS S3 to enable secure file uploads, downloads, and real-time collaboration between users
- Implemented Spring Security 6 and JWT for user authentication, registration, and role-based access control

Football Match Predictor

Jun 2024 – July 2024

- Built a machine learning model using scikit-learn to predict Premier League match outcomes with over 70% accuracy
- Engineered features using Pandas/NumPy and evaluated models via grid search and cross-validation

Chat Bot

Nov 2023 – Jan 2024

- Developed a conversational chatbot using Node.js, Express, and OpenAI API for real-time product recommendations
- Implemented image recognition and response filtering by matching queries to a predefined product database, ensuring relevant and controlled recommendations

Stock Predictor

May 2023 – Jun 2023

- Trained mathematical models to predict stock price trends using Naive Bayes, Neural Networks, and Linear Regression Time Series algorithms
- Scripted the predictive stock price model and obtained a prediction accuracy of 90.07%

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate (AWS)
- Machine Learning with Python (IBM via Coursera)
- Introduction to Data Analytics (Meta via Coursera)
- Crash Course on Python (Google via Coursera)

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, HTML, CSS, JavaScript, SQL, C++

Developer Tools: AWS, Git, Postman, PowerBI, Azure, Docker, Jira, Jupyter Notebooks, IntelliJ, VS Code

Libraries/Frameworks: Pandas, Numpy, TensorFlow, scikit-learn, Spring Boot, ReactJS, PostgreSQL, NodeJS