

Sudharma

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Udupi, Karnataka, India, 574119



Career Objective

To obtain a challenging and growth-oriented position in the field of Computer Science and Machine Learning, where I can leverage my strong analytical skills, programming expertise, and passion for developing innovative AI-driven solutions. I aim to contribute to impactful projects, collaborate with diverse teams, and continuously advance my knowledge of emerging technologies, with the long-term goal of driving advancements in intelligent systems and contributing to real-world problem-solving. Proficient in agile methodologies (scrum, kanban), version control (Git, Github), and software testing (unit, integration), committed to writing clean, maintainable, and testable code.

Education

B.E. in Computer Science and Business Systems

Srinivas Institute of Technology | Mangalore, Karnataka

Nov 2022 – Present

- Cumulative GPA: 7.75

Pre-University Course (PCMB)

Dandathirtha PU College | Kapu, Karnataka

Jun 2020 – Apr 2022

- Percentage: 88.88

High School (X)

Shri Vidhya prabodhini English Medium School | Yermal, Karnataka

Jun 2019 – Apr 2020

- Percentage: 92.48

Technical Skills

- Languages: Python, C, Java, Flutter, JavaScript (basic), Dart, MySQL
- Backend Skills: NodeJS (learning), Firebase (Auth & Firestore), Git
- Tools: Figma, Firebase Studio, Postman, VS Code, MongoDB
- Concepts: Agile, Version Control (Git), Data Structures & Algorithm, Responsive Design, Object Oriented Programming
- Frameworks/Libraries: Spring, Spring Boot, Hibernate, Maven, Flutter, Scikit-learn, Tensorflow, PyTorch, Google ADK, Google CLI, Vertex AI
- No-Code AI: Make, Zapier, Airtable, Calendly.

Internship

Redhill Softec (Intern)

May 2024 – June 2024

- Contributed to multiple live company projects, working on C++ modules that required precision and performance optimization.
- Gained hands-on experience in modular software development, understanding real-world SDLC and collaborative coding environments. Demonstrated strong problem-solving and debugging skills adapting to existing codebases and project architecture.

Thaniya Technologies

Oct 2024

- Participated in a software development boot camp, gaining hands-on experience and leading

technical workshops and trained peers in core programming concepts

Projects

MITRA (Team project)

- Built a full-stack solution using Firebase (Firestore, Auth), Tailwind CSS, HTML, TypeScript to match the volunteers with local community and even to connect with various mentors.
- Implemented role-based access system and real-time database updated for users and project sync. Designed for future scalability with planned AI-based skill matching using Gemini API via Genkit.

New York Taxi fare prediction model

- Developed and deployed a regression model to predict New York taxi fares using a real-world dataset. Engineered key features, optimized data preprocessing pipelines, and experimented with various machine learning algorithms to maximize predictive accuracy.
- Achieved leaderboard rank 366 among thousands of participants, demonstrating advanced model selection, tuning, and evaluation skills.

Spam or Ham Detection

- Built and evaluated a robust text classification model to distinguish between spam and legitimate (ham) mail. Applied natural language processing (NLP) techniques for feature extraction and leveraged supervised learning algorithms to optimize detection performance.
- Delivered high model accuracy, validating end-to-end data preprocessing, model training, and deployment skills.

Rice type Classification

- Developed a machine learning model in PyTorch to classify different rice varieties using tabular data (grain size, shape, texture, etc.).
- Built and trained a deep learning pipeline with preprocessing, feature scaling, and fully connected neural networks for tabular classification.
- Achieved 98% accuracy in identifying rice types, demonstrating strong model generalization and robustness.
- Optimized model performance through hyper-parameter tuning, regularization, and efficient data handling techniques

Smart Email Assistant (*in progress*)

- Developing a daily email monitoring agent using Google ADK to automate extraction and tracking of time critical event information from gmail

Ride-one (*in progress*)

- Developing a real time maps based platform for booking ride and centralized hub for all ride booking platforms which monitors the users ride to track the bookings and prevent booking multiple rides at a single time.

Certifications

- Zscaler Zero trust Associate
 - Issued by Zscaler | Feb 2024 | [Verify](#)
- IT Specialist – Cloud Computing
 - Issued by Certiport | May 2025 | [Verify](#)
- IT Specialist – HTML5 Application Development

- Issued by Certiport | June 2024 | [Verify](#)
- IT Specialist – Data Analytics
 - Issued by Certiport | Feb 2024 | [Verify](#)
- AI&ML Virtual Internship
 - Issued by Eduskills | March 2025 | [Verify](#)
- Full Stack MERN
 - Issued by Thaniya Technologies | June 2024 | [Verify](#)
- Microsoft Power apps
 - Issued by Thaniya Technologies | June 2024 | [Verify](#)

Miscellaneous Experience

- **Volunteering Experience**
 - **Event Team** – 24-Hour Hackathon

Organized by: College Open-Source Community | SSOSC, a 24-hour hackathon event, coordinating teams, managing logistics, and ensuring the smooth execution of the competition.
- **Professional Experience**
 - **Event Team** | Srinivas Students Open-Source Community (SSOSC) 2024
 - **President** | Business Associated Students of Integrated Computer Synergy 2024

Additional Information

- **Career Skills:** Technical Proficiency, Leadership, Time Management, Effective Communication, Public speaking
- **Soft Skills:** Team Collaboration, Problem Solving, Fast Learner
- **Languages:** English, Kannada, Hindi, Tulu

Reference

- Mr. Shailesh Shetty S
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Director, Thaniya Technologies