

RAVIKUMAR S

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OBJECTIVE

Student skilled in Machine Learning concepts, seeking full-time roles in AI/ML or Software Development and IT.

EDUCATION

Bachelor of Computer Science, SASTRA University - SRC Expected 2026
Relevant Coursework: Data Structures, Computer Networks, Operating Systems, and DBMS.

12th Grade, Kalyan Sundaram Hr. Sec School 2020 - 2022

SKILLS

Technical Skills	Python, Java, C/C++, Machine Learning, Deep Learning, Web (HTML, CSS, JS).
Soft Skills	High Adaptability, Effective Communication, Teamwork, Self-Motivation, Journaling, Creativity, Problem-Solving, Time Management, Responsibility.
Tools Used	VS Code, IntelliJ, PyCharm, GitHub, Colab, Kaggle.

EXPERIENCE

Web Development Intern Feb 2022 - Mar 2022
CODSOFT Remote

- Developed Simple Clone Websites and Portfolios by understanding responsive design, UI/UX concepts.
- Achieved growth in web development by learning HTML, CSS, and JavaScript and designing skills.
- Gained experience in problem solving, Time Management and Remote collaboration.

PROJECTS

Conference Paper: Detection of Oil Spill in Multi-Source Sentinel-1 SAR Images - Developed and evaluated deep learning models (CNN, U-Net, ResNet, ViT, Autoencoder) for oil spill detection in **Sentinel-1 SAR images**. The study highlights the use of **hybrid approaches and transfer learning** for enhanced marine pollution monitoring. ([Try it here](#))

Mini Project: Video Anomaly Detection – Built a system to detect anomalies in surveillance videos using **TDS-Net** and deep learning techniques. Explored spatiotemporal features and evaluated datasets like **UCF-Crime, Shanghai Tech, and CUHK Avenue** to enhance model accuracy for real-time security monitoring and anomaly detection.

Basic Web Pages Development – Built projects like a **portfolio, simple landing page, and calculator** using **HTML, CSS, and JavaScript**. These projects enhanced my web development skills, focusing on responsive design and interactivity, and helped strengthen my understanding of front-end development.

EXTRA-CURRICULAR ACTIVITIES

- **Financial Markets & Trading Enthusiast** – Skilled in stock analysis, money management, and Investment strategies.
- Participating in **online coding challenges** and **conferences**, enhancing problem-solving skills and gaining hands-on experience with **Python**, and **Java**.

CERTIFICATIONS

- Udemy - Introduction to Fundamental **Python** Concepts and the Python Advanced Programming
- Coursera -Introduction to **Generative AI**
- Udemy – Udemy Certification of **Machine Learning**
- Coursera - Generative AI with Large Language Models