

Sujit Laware

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EDUCATION

SRM Institute of Science and Technology

B.Tech. in Electronics And Communication Engineering with Specialization in Data Sciences (CGPA: 8.3/10)

Chennai, India

2023-2027

Indian Institute Of Technology Madras (IIT Madras)

B.S. in Data Science & Applications

Chennai, India

2022-2026

EXPERIENCE

RuTAG (Rural Technology Action Group), IIT Madras

Research Intern (AI & IOT)

Chennai, India

May 2025 – Present

- Designed and implemented a smart heat pump dryer controller using IoT sensors for real-time monitoring, control and automation of drying operations; filed a provisional patent for the developed system.
- Developed computer vision models to classify cardamom quality and estimate moisture content with 95% accuracy, significantly improving efficiency and consistency in rural agro-processing units.

Runverve

AI/ML and Cloud Engineering Intern

Chennai, India

Dec 2024 – Apr 2025

- Built and deployed AI features in Verve Coach and Verve Doc for personalized coaching and healthcare, integrating ML models into production APIs using Flask/FastAPI.
- Led backend deployment and performance optimization on AWS (EC2, Lambda, S3) for scalable, real-world solutions.

PROJECTS

FinsightAI

[View Project](#)

Technologies Used: Python, Google ADK, Gemini LLM, Vertex AI, Flask, Vue JS, GCP

- Developed finsightAI, a modular multi-agent financial assistant using Google ADK and Gemini LLMs to deliver personalized financial insights from real-time FI MCP data.
- Project selected for the final round of the world's largest Agentic AI Hackathon 2025 by Google.

Smart Crop Health Monitoring using ML & Raspberry Pi

[View Project](#)

Technologies Used: Python, PyTorch, OpenCV, Raspberry Pi, IoT, AWS, Next JS, Fast API

- Built an IoT + ML system to monitor crop health using sensor data and computer vision for early disease detection.
- Deployed a CNN-based model on Raspberry Pi to classify crop conditions in real-time with 92% accuracy and alert farmers via a dashboard.

Architecture Academics Platform

[View Project](#)

Technologies Used: Next.js, FastAPI, AWS (S3, Lambda, RDS), Docker, Python, Scikit-learn, TensorFlow

- Built as a freelancer for a client, a full-stack web platform for architecture students and professionals, offering courses, jobs, competitions, workshops, publications, and discussion forums.
- Implemented ML models for personalized course/job recommendations and content classification, improving discoverability of courses, competitions, and articles.

ACTIVITIES AND LEADERSHIP

Zeex AI (Student-based Startup – Backed by Nirmaan, Pre-incubated at IIT Madras)

Chennai, India

Technical Lead (AI & Cloud Team)

Apr 2025 – Sept 2025

AWS Cloud Club IIT Madras

Chennai, India

President/Captain

Feb 2025 – Present

- Led 1,000 members, organized tech workshops and hackathons, managed the executive board, and mentored students on cloud and AI projects.

Fest & Community : Coordinated sponsorships for Paradox, IIT Madras Fest, and contributed as a crew member at TechXConf 2024 and Google Developer Groups (Chennai) Cloud Community Day, national-level AI and cloud conferences.

SKILLS

Programming: Python, C, Java, JavaScript, SQL, HTML, CSS, React, Vue.js, Flask, FastAPI, Streamlit, RESTful APIs

AI /ML : PyTorch, TensorFlow, Keras, Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn, LangChain, Hugging Face, OpenCV

Tools: Git, Docker, Jupyter Notebooks, AWS, Azure, GCP