

Sachin Sundar S

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CAREER OBJECTIVE

To build a successful career as an **AI/ML Engineer** by continuously learning, enhancing my skills, applying my knowledge, and growing with the organization.

EDUCATION

- **K.S.Rangasamy College of Technology, Tiruchengode** Tamil Nadu, IN
BE in Artificial Intelligence and Machine Learning; CGPA: 7.93 *August. 2022 – May. 2026*
- **Government Boys Higher Secondary School, Bhavani** Tamil Nadu, IN
HSC; Percentage: 79.3 *June. 2021 – May. 2022*
- **Government Boys Higher Secondary School, Komarapalayam** Tamil Nadu, IN
SSLC; Percentage: 74.4 *June. 2019 – May. 2020*

PROJECTS

- **Automated Animal Identification Using Machine Learning (November 2024 – December 2024):**
 - Developed a real-time **animal identification system** using **TensorFlow (Keras)** and **OpenCV**.
 - Implemented a **ResNet50 model** to classify 10 animal species with high accuracy.
 - Integrated **live video capture** for real-time predictions with class labels and confidence scores.
 - Achieved accurate classification performance, enabling practical use in **wildlife monitoring and computer vision applications**.
- **Hospital Management System (September 2024 – October 2024):**
 - Developed a **command-line Hospital Management System** using **Java** and **MySQL**.
 - Implemented **CRUD operations** for patients, doctors, and appointments with database integration.
 - Designed a module to **book appointments** by verifying doctor availability on specific dates.
 - Utilized **JDBC connectivity** for seamless interaction between Java and MySQL database.

EXPERIENCE

- **Internship – CubeAI Solutions Pvt. Ltd. (February 2025 – March 2025):**
 - Contributed to an **Autonomous Search and Rescue Drone** project.
 - Assembled and configured drone hardware, ensuring **stable autonomous flight under field test conditions**.
 - Integrated a **YOLO-based computer vision model**, achieving **real-time detection accuracy greater than 90%**.

CERTIFICATIONS

- **Professional Certifications:**
 - Microsoft UX Design
 - Getting Started with Git and GitHub
 - Senior Typewriting Certification in English (Distinction)

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, HTML, CSS.
- **Frameworks & Libraries:** Spring Boot, React.js, Bootstrap.
- **Databases:** SQL
- **Tools & Platforms:** Git, GitHub, Tableau, Figma, Canva.
- **Other Skills :** AutoCAD, Typewriting, Drone Assembling.

AREA OF INTEREST

- Problem Solving
- Data Structures and Algorithms (Java)