Maneesh V

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EDUCATION

St. Joseph's College of Engineering, Chennai   *May 2022 - Current*
B.Tech - Artificial Intelligence and Machine Learning   **CGPA - 8.40**

Alwin Memorial Public School   *July 2021 - June 2022*
XII std   **80%**

WORK EXPERIENCE

Computer Vision Engineer (Intern) – MacV AI   *Jan 2025 – Present*
Stipend-based Internship

- Developing deep learning models for real-time computer vision applications.
- Optimizing pipelines for efficient video analysis.

Intern – IIITDM Chennai   *May 2024 – July 2024*
VLSI Principles and Chip Design

- Tested chip layouts and applied ML to analyze and optimize designs.
- Worked in a team to propose improvements to VLSI architecture.

PROJECTS

Development of an All-Purpose Drone for Disaster Rescue   **GitHub**
- Engineered a drone tailored for disaster conditions, integrating ML/DL to identify and locate victims.
- Designed a modular framework for real-time analysis and multifunctional deployment.

Development of a Smart Camera   **GitHub**
- Built a camera with deep learning algorithms to perform tasks based on user-defined requirements.
- Integrated real-time processing for security and object recognition.

Automatic Internship Agent   **GitHub**
- Developed an automation bot to parse internship-related messages and auto-apply via email.
- Handles parsing, eligibility checks, resume/email generation, and submission.

Smart Face-Based Attendance System with DBMS Integration   **Ongoing, Expected Completion: Dec 2025**
- Facial recognition-based attendance system integrated with secure DBMS for academic use.
- Uses advanced recognition algorithms for high accuracy in varied environments.

TECHNICAL SKILLS

Programming Languages: Python, Java, C

Frameworks and Libraries: TensorFlow, PyTorch, Keras, scikit-learn, OpenCV, Pandas, NumPy, Matplotlib, Seaborn, FastAPI, Flask, NLTK, SpaCy, Gensim, Hugging Face Transformers

Tools Platforms: Git, Docker, Google Colab, Jupyter, VS Code, Anaconda, Linux

Database: MySQL, Firebase

Specialized Expertise: Edge Computing, Edge AI, Computer Vision, NLP, Model Deployment

CERTIFICATIONS

- **ServiceNow Certified System Administrator**
- **Deep Learning Specialization – Coursera (Andrew Ng)**
- **Deep Learning – Infosys Springboard**

ACHIEVEMENTS

- **Rickyverse Campus Ambassador**
- Winner - **IIT Madras Shaastra Hackathon**
- Winner - **IIT Madras Shaastra Creative Writing**
- Runner-Up - **St. Joseph's College Nextronix Hackathon**
- SIH Participant
- Parul University (Gujarat) Hackathon Participant