

Dhivyashree Murugan

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EDUCATION

Sri Ramakrishna Engineering College, Coimbatore.

Bachelor of Engineering in Computer Science in Specialization with Artificial Intelligence and Data science - (2022-2026)

CGPA - 8.90 /10(upto 5th semester)

Saraswathi Matric Higher Secondary School, Valappady.

Higher Secondary Education (2022) – 94%

SSLC (2020) – 97.4%

TECHNICAL SKILLS

- **Programming Languages:** C, Java
- **Frontend Development:** HTML5, CSS3, JavaScript (ES6+), Bootstrap
- **Backend Development:** Spring Boot
- **Database Management:** MySQL, MongoDB Compass
- **API Development:** Postman
- **Core Areas:** Machine Learning, Deep Learning, Generative AI, Web Development.

PROJECTS

Tomato Plant Growth Detection System (Real-time - TNAU)

- Developed an AI-driven system for detecting plant growth stages using deep learning.
- Collaborated with TNAU, Coimbatore, to enhance agricultural productivity.
- The system enables precise monitoring, reduces waste, and supports data-driven farming decisions.

Patient Appointment Booking Chatbot (Real-time - Maars Solution)

- Built a chatbot using an Agent and Tool system for seamless patient appointment scheduling.
- Integrated Natural Language Processing (NLP) for an intuitive user experience.

INTERNSHIP EXPERIENCE

RBG.ai | Generative AI Intern (6 Weeks)

- Enhanced OCR accuracy for bank forms using generative AI techniques.
- Designed and fine-tuned the **Pix2Pix model**, integrating it with OpenCV for real-time document processing.
- Achieved significant improvements in digitization accuracy and operational efficiency.
- Gained hands-on experience in developing and deploying scalable AI solutions.

PUBLISHED PAPERS

1. **Comparative Study of ML Algorithms on Elevation Dataset** - ICIACS 2024 (Springer Conference)
2. **Deep Learning Models for Tomato Plant Stages** - ICIACS 2024 (Springer Conference)

ACHIEVEMENTS

Awards: Best Project of the Year 2023 (College Level)

Certifications:

- **NVIDIA:** Foundation of Deep Learning, Getting Started with AI
- **Great Learning:** Python Fundamentals
- **Google Cloud Certification:** Study Jams
- **MATLAB Onramp:** Basic Understanding of MATLAB for ML
- **NPTEL:** Privacy and Security in Online Social Media