

Mahendira Kumar S

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in Mahendira Kumar S

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📍 Chennai

OBJECTIVE

Aspiring Computer Science and Engineering student with a strong passion for research. I have hands-on experience in end-to-end projects, integrating diverse tech stacks and AI frameworks. My research focuses on Machine Learning and Deep Learning, with papers accepted and presented at renowned conferences. Alongside maintaining strong academic performance, I am always eager and open to learning new things.

PROJECTS

AUTONOMOUS DELIVERY DRONE

- Collaborated with a team of 10 in the **Autonomous Drone Development Challenge (ADDC) 2024**, associated with Amrita Vishwa Vidyapeetham hosted by **SAEINDIA**. Focused on analyzing and learning path planning software and creating an object detection model for mission-critical tasks.
- **Achieved 2nd Runner-Up** in the competition, demonstrating technical excellence and innovation.

FAKE NEWS CLASSIFICATION USING XGBOOST

- Utilized extreme gradient boost classification algorithm to detect false news in text and video analysis, combining processing capability with human insights for robustness.
- Tested method on multiple datasets and scenarios, achieving an impressive accuracy.

Age Related Macular Degeneration Disease Prediction Using YOLOV6 and Random Forest

- Developed a Macular Degeneration Disease Prediction Utilizing YOLOV6 and Random Forest Architecture for Prediction, achieving a Classification accuracy of 90
- Investigated the use of deep learning, specifically YOLOV6 and Random Forest, for automating the diagnosis and prognosis of Age-related Macular Degeneration (AMD) through the analysis of OCT images.

EDUCATIONS

B.Tech	AMRITA VISHWA VIDYAPEETAM , Artificial Intelligence Engineering	2022 - Present
	• GPA: 8.61/10.0	
HSC	Maharishi International Residential School , Computer Science	2022
	• 81%	
SSC	Vignesh International School	2020
	• 91.4%	

SKILLS

Areas of Interest: Deep Learning and Machine Learning, MLOPS

Cloud & Certification: AWS Cloud Foundation Certified | Machine Learning Specialization by DeepLearning.AI

Languages: C++, C, Python, SQL,

Software: Visual Studio, Oracle SQL Server, Eclipse, SQL Workbench, Replit

Tools and Technologies: Git and GitHub, VS Code, Jupyter Notebook, Google Colab, Linux