AMUDAN R T - ECE

- EXPERIENCED IN PROGRAMMING AND PROBLEM-SOLVING, SEEKING A CHALLENGING ROLE TO UTILIZE SKILLS AND INTERNATIONAL COMPETITION EXPERIENCE FOR INNOVATION.

EDUCATION

Adharsh Vidhyalaya Matric Higher Secondary School

10th Mark - 478/500 - 95.6%

12th Mark - 504/600 - 84%

12th cutOff - 181.5/200 - 90.75%

BACHELOR OF ENGINEERING

KPR Institute of Engineering and Technology, Combatore

2020 - 2024   CGPA - 8.570

SKILLS

- Web Development - Django, SQLlite3
- Frontend & Backend
- Robotic Operating System - ROS2
- Drone piloting
- Fusion 360, AutoCad, Sketchup Pro - Beginner

PATENT PUBLISHED - ORNITHOPTER

Using biomimetics, a robotic predatory bird can be used to regulate crop-eating birds, frightening them away while attracting other predatory birds to the area. - prototype available
Technology Learned : Piloting, Electronics and its circuits

PYTHON COMBAT - DJANGO, BRYTHON

A web platform where the general crowd(beginners in coding) can learn to code in python in a cool/ gamified manner
Technology Learned : Django, JavaScript, HTML, CSS, SQLlite3, API

INTERNSHIP

- **INDIAN INSTITUTE OF TECHNOLOGY (IIT) - BOMBAY**

  Full stack Web developer

  8 week

  - Frontend - HTML - canvas, CSS, JS
  - Python
  - Django, SQLlite3

- **VERZEO, BANGALORE**

  Cyber Security

  8 weeks

  - Networking and phishing atttacks
  - Social Engineering
  - bash scripting

LANGUAGES KNOWN

- Python
- Java
- C
- HTML, CSS
- JavaScript

PROJECTS AND PATENTS

PATENT PUBLISHED - UTILITY PATENT

- Robotic predatory bird to scare crop eating birds

NO OF PROJECTS WORKED - 5

- Pre-owned Car Database Management website - Django
- Python Combat - Django
- Strawberry Stacker - based on Drones and ROS
- Autonomous Drone
- Blue-green Algae collector
- Drowsiness Detection and Prediction

COURSES

- Python for Data Science - NPTL (Silver + Elite)
- Python for Everybody - Coursera
- Python - Guvi
- Python Basics - Hacker Rank
- Problem Solving - Hacker Rank
- Computational Thinking - Guvi
- Game Development Using Python - Guvi

ACTIVE CLUBS

- Student Representative of Anti-Ragging Committee
- Core member of Aviation and Robotics Club
- Active member in Software Development Cell

PRE-OWNED CAR DATABASE MANAGEMENT WEBSITE - DJANGO

Complete database for pre-owned car showrooms, from this they can store and share the details of the cars they purchased and sold

HOBBIES

- Drone Racing
- Photography
- Cycling
- Travelling
- Explorer

MY BIO

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- 🌐 amudanthangavel.github.io/profile/
- ✍ amudanthangavel.blogspot.com
- github.com/AmudanThangavel
- 📅 30 - 08 - 2002
- Tamil, English

COMPETETIONS WON

- IIT Bombay **(e-Yantra 22-23 - International competition)** - *1st Prize*
- IIT Bombay **(e-Yantra 21-22 - International competition)** - *5th Prize*
- NIT Trichy **(Quadcombat -23)** - *2nd Prize*
- Chaitanya Bharathi Institute of Technology **(Sudhee 2022- Drone Racing)** - *1st Prize*
- Chaitanya Bharathi Institute of Technology **(Sudhee 2022- Robo Soccer)** - *1st Prize*
- SAINTGITS College of Engineering and Technology **(Shrishti 2022 - Project presentation)** - *1st Prize*
- KPR Institute of Engineering and Technology **(Innovesence - Project presentation)** - *1st Prize*
- Sathyabama Technology Business Incubator **(Project Contest - Project presentation)** - *1st Prize*
- College of Engineering Trivandrum **(Drishti 2022 - Reverse Coding)** - *1st Prize*
- College of Engineering Trivandrum **(Drishti 2022 - Call for Projects)** - *1st Prize*
- Vellore Institute of Technology - Chennai **(Techno 2022 - Drone Racing)** - *2nd Prize*
- SRM University - Chennai **(Aaruus'22 - Quadcopter challenge)** - *3rd prize*

COMPETETIONS PARTICIPATED

- IIT MADRAS **(Shrishti 2022)** - *Reverse Coding, AI Hackathon, Web Crawler Hackathon*
- IIT Kharagphur **(KSHITIJ 2022)** -*Code Battle*
- Chaitanya Bharathi Institute of Technology **(Sudhee 2022)** - *Line follower, Robo race*
- *CHRIST College of Engineering and Technology* **(Techlits 2022)** - *Boat racing, Line follower, Project Expo*

- For more info visit "https://amudanthangavel.github.io/profile/