



Karukkuvel Raj D

Avionics Engineer

My Contact

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🌐 <https://www.linkedin.com/in/karukkuvel-raj-d/>

Technical Skills

- Matlab
- AutoCAD
- Ansys
- MS-Office
- C++ (basics)
- ADA programming (basics)
- Catia

Soft Skill

- Persistent
- Decision making
- Optimistic
- Multi-tasking
- Team player

Areas of Interest

- Digital Avionics
- Flight Instrumentation
- UAV Systems
- Flight Control Systems
- Flight Dynamics

Achievements

- In the GATE 2021 Aerospace Engineering (AE) examination, I achieved a score of 355, securing an All India Rank of 665.
- Secured Chennai district 2nd place in National Means-Cum Merit Scholarship Exam (NMMS).
- Received Rajyapuraskar award in Bharat Scouts and Guides from the Governor of TamilNadu.

Objective

I aim to apply and further develop my technical skills, offering professional services in a challenging and motivating work environment. My goal is to have a positive impact on those around me through my technical expertise. I strive to stay dynamic, visionary, and competitive in the ever-changing world, contributing to the growth of the organization.

Academic Qualification

M.E Avionics | Madras Institute of Technology

CGPA: 8.39/10

2022 – Present

B.E Aeronautical Engineering | Apollo Engineering College

CGPA: 8.54/10

2018 – 2022

HSC | K.C.Sankaralinga Nadar Hr. Sec. School, Chennai

Percentage: 87.41 %

2016 – 2018

SSLC | K.C.Sankaralinga Nadar Hr. Sec. School, Chennai

Percentage: 95.60 %

2015 – 2016

Academic Projects

Comparison of Controller performance for a BLDC motor

March 2023 – June 2023

Developed PID and FLC based controllers for a BLDC motor using MatLab Simulink and compared their performance.

UAV With Disaster Management using Light Fidelity and Wireless Fidelity

February 2022 – June 2022

Developed a UAV-based system with GSM and LiFi technology for air quality, weather, and fire monitoring, enabling cost-effective data transmission to the cloud for improved safety and efficiency.

Aircraft Design Project – Design of Commuter Aircraft

February 2021 – February 2022

Designed and developed a 75-seater regional aircraft with a narrow body, turbofan engines, and innovative features for high capacity, speed, and fuel efficiency.

Certifications

Master Diploma in System Administration

Computer Software College

MATLAB Onramp

MathWorks