

# RESUME

## KIRAN A G

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## Objective

Seeking a Challenging position in a reputed organization where I can learn new skills, Expand my knowledge and my learnings. To get an opportunity where I can make the Best of my potential and contribute to the organization's growth.

## EDUCATIONAL DETAILS

**B.E Aeronautical Engineering, MIT Campus, Anna University, Chennai. Aug2019–Jun2023**

- CGPA : 7.92
- Relevant Course work in Aircraft Structures, Propulsion, Performance, Stability and Control.

**10+2 Higher Secondary Certificate, Narayana Junior College, Nellore.**

**March 2019.**

- Percentage : 90.9 %

**10 th , ICSE, Bhuvanagiri Public School, Cuddapah.**

**May 2017.**

- Percentage : 69.3%

## PROJECTS

### **Project at Aeronautical Development Establishment(ADE) – DRDO**

Demonstration of Particle Filter For State Estimation of UAV in GPS -Lost Environment.

- Implemented Particle Filter in MATLAB and Simulation was carried out for different Number of particles.
- Simulated particle filter during critical landing phase, using data from Aeronautical Development Establishment (ADE) and some sensor fusion is done for same measurements from different sensors.
- Enhanced UAV reliability in defense by overcoming INS drift limitations from 100 meters error to the order of few meters.
- Project done during the period of Jan2023 to Apr2023.

### **Design of Airbag In Aircraft Landing System**

- Aircraft Design Project is Mini Project was done in my 5<sup>th</sup> Semester from July 2022 to April 2023.
- Estimated weight fractions with Designed wing, Fuselage, Landing gear, cargo pallet, Horizontal and vertical tails.
- Evaluated drag polar, flight envelope, performance and stability parameters.
- Mainly about Aircraft safety landing by using airbag in damaged conditions.

## EXPERIENCE

Employed as Junior Engineer in ELECTRODRIVE POWERTRAIN SOLUTION PVT. LTD, Coimbatore under Contract basis with Mass HR solutions from 01/07/2023 to Till Now.

- In Battery Assembly Section worked as Junior Engineer in Cell Line, When child parts came from supplier after doing inspection either it fail or pass, if inspection passes cell goes to OCV & IR, Thickness measurements and next stations.
- In Glue line and Stack line, After completion of cell line, Apply glue for child parts in fixtures and place the cells one by one in stack machine and complete the process to ready module further process.
- After doing pre welding cleaning process in module line it goes to pack line, Testing, EOL Testing and it ready for Final Battery Pack.

Reference : Mr. Manohar( Mass HR Solutions) Ph.no: 9842211661, 9943011661

## TECHNICAL SKILLS

- Programming Languages – Python, SQL, MATLAB
- Technologies – SolidWorks, Ansys, Advanced Excel.

## EXTRACULTURAL ACTIVITIES

- Certificate of Zonal level Winner in Hand Ball.
- Cultural Secretary of “National Service Organization”.
- Conducted and organized AERO EXPO 2023 during a flight event at MIT, Chennai.
- Event Head of Cultural Fest at MIT in my final Year.

## LANGUAGES & INTERESTS

- Well Known in Tamil, English, Telugu and Hindi.
- Interested to Gardening, Photoshop, Playing Hand Ball and Social Services.

### DECLARATION

I here by declare that the information given above is true to the best of my knowledge and belief.

Date : 19/04/2025.

Place : Uthukkottai.

**KIRAN A G**