



LAKSHMAN KOLAPPAN

A E R O S P A C E E N G I N E E R

CONTACT

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STRENGTHS

- Adaptability
- Creativity
- Leadership
- Team-Work
- Problem Solving

LANGUAGE

Tamil	●●●●●●●●
English	●●●●●●●●
Hindi	●●●●●●●●
German	●●●●●●●●

INTERESTS

-  Playing Chess
-  Reading Books
-  Watching Cartoon

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OBJECTIVE

I am keenly interested to develop my knowledge in the field of Aerospace specializing in Aerodynamics, Propulsion and Avionics. I am ready to take up new projects and extend my knowledge in this field.

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EDUCATION

B.Tech Aerospace Engineering

Amrita Vishwa Vldyapeetham (2022 - 2026)

- Pursuing 3rd Year (6th Sem) currently
- Expecting to complete by 2026 with multiple Skillsets in the Areas of Rocket Propulsion, Aerodynamics, Controls and Structures
- Current CGPA : 8.37
- Last 4 Semesters SGPA :
 - 4th Sem : 8.18
 - 3rd Sem : 8.22
 - 2nd Sem : 8.40
 - 1st Sem : 8.67

Senior Secondary Schooling (Class XII)

Chennai Public School (2015 - 2022)

- Acquired Educational Skills and Knowledge in Computer Science Stream
- Scored 92% in Central Board of Secondary Education

Higher Secondary Schooling (Class X)

Chennai Public School (2015 - 2022)

- Gained knowledge in diverse fields including my Mother Tongue
- Scored 92.4% in Central Board of Secondary Education
- My fields of interest were Mathematics (Standard), Social Studies, Science, Information Technology, Tamil, English.

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SKILLS

- Proficient in Programming Languages such as Python and C
- Having Advanced Knowledge in using Microsoft Apps such as MS Word, MS Excel, MS Powerpoint along with AutoCAD.
- Having Basic Knowledge in Fusion 360, Ansys, OpenFoam and Matlab.
- Have done multiple CAD Projects in Creo, Solidworks, AutoCAD.
- Have been in frequent use with analysis of airfoils, wing, plane in XFLR5, XFOIL, OpenVSP
- Have taken and passed C2 Level ESOL Examination to improve my English skills



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PROFESSIONAL PROFILE

- **Rocket Science and Engineering**
From Udemy
- **Basics of Machine Learning**
From Great Learning
- **Intro to Machine Learning**
From Kaggle
- **Web Development Expert Certification**
From Letsupgrade
- **Autonomous Electric Vehicle Essentials**
From Skyskill Academy
- **Introduction to Artificial Intelligence**
From Coursera
- **What is Data Science ?**
Offered by IBM in Coursera
- **Rocket Propulsion**
From NPTEL SWAYAM
- **Elements of Mechanical Vibration**
From NPTEL (Ongoing)
- **Android Application Development**
From Great Learning
- **Excel for Beginners**
From Great Learning
- **Autonomous Electric Vehicle**
From Skyskill Academy
- **Autonomous Aerospace Systems**
From Coursera
- **Digital Media and Marketing Principles**
Offered by University of Illinois in Coursera
- **Introduction to Thermodynamics**
Offered by University of Michigan in Coursera
- **Python for Data Science, AI and Development**
Offered by IBM in Coursera
- **Introduction to Mathematical Thinking**
Offered by Stanford University in Coursera
- **Science and Religion**
Offered by University of Alberta in Coursera
- **Drone Engineering**
From Teachnook in collaboration with IIT
- **Design of Fixed Wing UAV**
From NPTEL
- **Cauchy Riemann Equations**
From Great Learning
- **Excel for Intermediate Level**
From Great Learning
- **Building Python GUIs with Tkinter**
From Skyskill Academy
- **fastn Web Development Expert Certification**
From Lets Upgrade

Please click the course name (Bold Text) to view its certificate

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PROJECTS

- Undergone Internships at DRDO, Ashok Leyland, Albonair, SWITCH.
- Completed an entire CAD modelling for a structure to be fitted in Vehicles with Multiple Dimensional, structural disuniformities.
- Published a Paper in ResearchGate for **Optimising a Turbojet Engine** for various purposes by varying the Compressor Pressure Ratio and Turbine Inlet Temperature.
- Currently working on a project where we are Designing a methodology that designs an Airfoil using pressure differences and Perturbation Velocities. This method will be able to design airfoil for any application to provide suitable lift.

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CO-CURRICULAR ACTIVITIES

- Secured 9th Place in Chess in District Level Tournament.
- Contested in Inter School Table Tennis Tournament.
- Contested and Won many matches in Cricket, Football.

**I hereby declare that the information furnished above is true
to the best of my knowledge**