

Hello,



I'm APPILI VAMSI KRISHNA

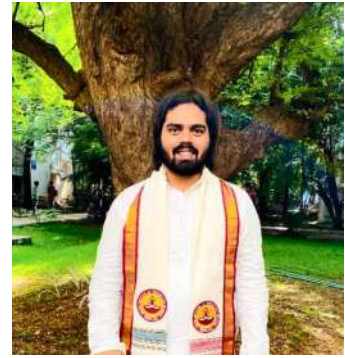
Indian Institute of Technology, Madras

Innovative Web Developer, crafting captivating online experiences that combine sleek design and seamless functionality.

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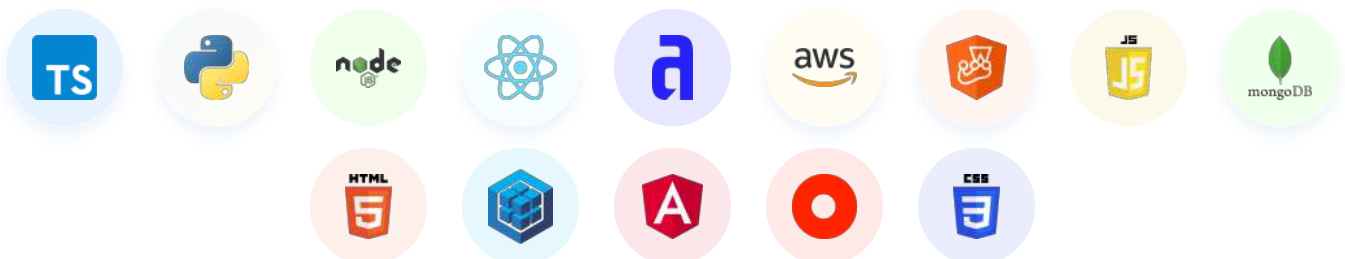


## Education

- MTech Aerospace Engineering**  
9.47 from IIT Madras  
2020 Aug - 2022 July
- BTech Aeronautical Engineering**  
8.15 Madras Institute of Technology (MIT)  
Anna University  
2016 Aug - 2020 April
- 12th State**  
96.8 Chaitanya Junior College/AP BIE  
2014 March - 2016 March
- 10th**  
9.8 Ratnam High School/AP SSC  
2014

## Work Experience

- Senior Software Engineer**  
DISYS Jan 2023 - Current  
AWS Cloud & LCNC Full Stack Developer  
unleashing innovative solutions with  
Appian, Mendix, and, driving business  
growth through cutting-edge technology.
- Software Development Engineer**  
SAFE Security Apr 2022 - Dec 2022  
Agile Full Stack Wizard with expertise in React,  
AWS Cloud (Lambda, DynamoDB, Cognito, EC2,  
API Gateway, AWS Amplify, Route 53), Testing  
(Jest, TestCafé), microservices, SQL, Jenkins,  
MongoDB, Jenkins, and Shell Scripting. Thrived  
in fast-paced Agile environments, delivering  
exceptional results under tight deadlines.



## Challenging Course Work







Design of MAVs and UAVs

Numerical Simulation of  
Multiphysics problems in  
Aerospace Engineering



Aerospace Propulsion

# Projects Projects



## Personal Projects

-     Spent time learning, practicing various full stack technologies, to develop few personal use-cases & deploy code using aws, <https://appili.dev>, <https://cv.appili.dev>, <https://projects.appili.dev>, <https://appili.world>, <https://missile.world>, <https://medpro.click> also, developed own APIs, made available to public, for free with base-url <https://appili.gives/> , respective swagger is hosted in <https://api.appili.dev> also, made few android & iOS apps which are available in <https://apps.appili.dev>
-  Explored the frontier of AI & CPS in Agriculture Automation at AWaDH, IIT Ropar during June, July 2021
-  Developed a Small Scale Rocket Motor with an impressive range of 100 meters using KNO<sub>3</sub>+Sugar



## MTech Projects

-  "Development of a Vision Guided Aerially Launched Short Range Missile" - A 2 km Fire-and-Forget Armed Missile. A Revolutionary Pursuit for IAF, under the guidance of Prof. Dr. S.R. Chakravathy.
-  Eagle's Eye Precision: "Detect and Drop" - 5.4 kg MTOW UAV, Delivering 1.5 kg Payload to a 5 km Dead-drop with Minimal Equipment.

## MTech Collaboration Projects | Fueling Innovation Together





-  Teamed up with Niharika (Aerospace Dual Degree, IIT Madras) on "Developing Guidance System for an Air-to-Ground Low-Cost Missile" (Dual Degree Project)
-  Collaborated with Squadron Leader Piyush Raj (Aerospace MTech, IIT Madras) on "Integration of Guided Weapon on Indigenously Developed UAV" (MTech Project)

## BTech Projects




-  "Structural Analysis of Agricultural UAV" (with a team of 4 classmates) under the guidance of Prof. Dr. K. Senthil Kumar
-  Led a team of 5 classmates in the "Aircraft Design Project: 60-Seater Short Range Passenger Aircraft" with a range of 1500 km

# Position of Responsibilities



## **MTech Legislator, (SLC) (2020-21) Student Legislative Council (SLC)**

-  Influential SLC member representing MTech students, shaping bills and budgets through voting.
-  Voice of the MTech community, effectively expressing their concerns to higher authorities.
-  Proficient in departmental rules and procedures, ensuring seamless governance.
-  Proposed Unification & Decentralisation plan for MTech student system.



## **Nominations & Ratifications Committee Member , (SLC) (2020-21)**

-  Investigate student complaints on PoRs, core members, coordinators, and heads.
-  Compile Reports & Suggestions for submission to SLC.
-  Amplify student voices, driving positive change within the institution.



## **MTech Aerospace Class Representative (2020-22)**

-  Proactively communicating class issues to the HOD/FA, ensuring swift resolutions.
-  Empowering students' voice, advocating for positive change within our academic community.

## **MITR Coordinator (2020-22)**

-  A Reliable Friend for All IIT Madras Students
-  Compassionate Listener & Human-Friendly Support System for students in distress

## **MIT - UG (Aero) Placement Coordinator (2019-20)**

-  Proactive Connector | Facilitating Industry Connections for MIT-Aerospace UG Students
-  Seamless Coordination | Streamlining Placement Activities with Precision

# Certifications



- Linux for Absolute Beginners!
- Wordpress Complete Website MasterClass - Wordpress Made Easy
- Powerful Corporate & Business Strategy Taught in MBA's
- The Complete Python 3 Course: Beginner to Advanced !
- Design and Simulate the Aerodynamics of Rockets
- Fundamentals of Rocket Propulsion



- Code Yourself! An Introduction to Programming
- Creative Problem Solving
- AWS S3 Basics
- Build a Full Website using WordPress
- Teamwork Skills: Communicating Effectively in Groups
- Foundations of Mindfulness
- Create a Business Marketing Brand Kit Using Canvas
- Communication Strategies for a Virtual Age
- Programming for Everybody (Getting Started with Python)
- Digitization in the Aerospace Industry
- Machine Learning
- Cloud Computing Basics (Cloud 101)
- Learn: Powerful mental tools to help you master tough subjects
- The Science of Success: What Researchers Know that You Should Know

# Achievements

Teaching Assistant for an MTech Course of (AS5030) of IIT Madras

DRDO Robotics and Unmanned System Exposition (DRUSE), Zonal Level Winner (2018)

FFE Leadership Award (2018, 2019)

High Distinction in Mathematics in 2010, UNSW Global, University of Southwales, Sydney, Australia

Spirit of Yoga Challenge, (2012)

Outstanding Reader, Scholastic Reading Champion (2011)