

# Adithya S Kumar

Kanattil House, Vellangallur P.O.,  
Thrissur, Kerala, India- 680662  
+91 9495224669  
adithyas1998@gmail.com  
www.linkedin.com/in/adithyaskumar  
www.adithyaskumar.com



## CAREER OBJECTIVE

---

Mechanical graduate with keen interest in learning and developing systems for the growth and development of the organisation and for improving lifestyle and transformation of society through technology

## EDUCATION

---

<b>Bachelor of Technology - Mechanical Engineering - CGPA 9.14</b>	<b>(07/2017 - 06/2021)</b>
Christ College of Engineering- APJ Abdul Kalam Technological University	
<b>Kerala Engineering Architecture Medical Entrance Exam - Rank - 10119</b>	<b>(06/2016 - 05/2017)</b>
TIME Entrance Coaching Centre	
<b>Higher Secondary(CBSE) - 87.4%</b>	<b>(06/2014 - 03/2016)</b>
Bharatiya Vidhya Bhavans Vidhya Mandhir	
<b>SSLC(CBSE) - 9.2 GPA</b>	<b>(06/2004 - 03/2014)</b>
Bharatiya Vidhya Bhavans Vidhya Mandhir	

## INTERNSHIPS

---

<b>Society for Space Education Research and Development (SSERD)</b>	<b>(11/10/2020 - 21/11/2020)</b>
•Worked on Conceptual Design of Sounding Rocket to cross Karmen Line •Part of Tank and Structure Design Team •Built the overall model in SolidWorks.	
<b>Inker Robotic Solutions Pvt Ltd</b>	<b>(08/07/2019 - 13/07/2019)</b>
•Learnt the basics of Arduino, Raspberry Pi and IOT •Learnt the basics of Python programming •Learnt and experienced the working of Dobot Magician and Dobot Mooz	
<b>Kerala State Road Transport Corporation (KSRTC)</b>	<b>(01/06/2018 - 10/06/2018)</b>
•10 day internship program at KSRTC Garage, Aluva. •Learnt the basics of different parts of a bus and had hands on experience on disassembling an engine and a few other parts	

## TECHNICAL SKILLS

---

**TOOLS**— SOLIDWORKS, CATIA V5, OnShape, XFLR5

**PROGRAMMING LANGUAGES**— Python, MATLAB

**MARK UP**— MAXIMA, LaTeX

## PROJECTS

---

<b>LONG ENDURANCE UAV</b> — Design of Long Endurance UAV for Search and Rescue Missions	<b>(10/2021 - Present)</b>
<b>RESEARCH PROJECT</b> — Effects of end milling operation on antimicrobial properties of copper	<b>(08/2020 - 07/2021)</b>
<b>HIGH LIFT UAV</b> — Designed and manufactured fixed wing UAV	<b>(09/2019 - 02/2020)</b>
<b>PRO DRIVE ALERTER</b> — System to alert emergency services after accident	<b>(01/2018 - 02/2020)</b>
<b>POTHOLE DETECTOR</b> — System to detect potholes with only phone sensors	<b>(02/2020)</b>

## ACHEIVEMENTS

---

### BEST PAPER PRESENTATION AWARD - ICEMME 2021

(07/2021)

Recognized for best presentation in Manufacturing and Materials section - "Effects of end milling operation on antimicrobial properties of copper"

### 1ST RUNNER UP- REBOOT KERALA HACKATHON 2020 - REGIONAL

(02/2020)

Recognized for outstanding performance in RKH 2020 for the idea "POTHOLE DETECTOR"

### SAE AERO DESIGN CHALLENGE 2020

(09/2019 – 02/2020)

Led the first ever team from college to participate in ADC2020 as the team captain

### YOUNG INNOVATORS PROGRAMME 2018-21

(2018 - 2021)

Qualified for the idea "PRO DRIVE ALERTER" and subsequent inclusion in YIP programme cycle

### 1ST PRIZE - EUREKA IDEA FEST

(08/2019)

Won first position in idea fest conducted by IEDC , CCE IJK)

## CERTIFICATE COURSES

---

• Aircraft Design (NPTEL)	(08/2021)
• Introduction to Aircraft Performance (NPTEL)	(12/2020)
• Aircraft Structures (NPTEL)	(12/2020)
• Certified SOLIDWORKS Professional (CSWP)	(10/2020)
• Programming for everybody (Getting started with Python) (Coursera)	(08/2020)
• Flow Simulation through SolidWorks (Skill Lync)	(07/2020)
• Finite Element Analysis through SolidWorks (Skill Lync)	(07/2020)
• Introduction to Programming with MATLAB (Coursera)	(06/2020)
• Multibody Dynamics using SolidWorks (Skill Lync)	(06/2020)
• MATLAB Onramp (MathWorks)	(04/2020)
• Robotics (NPTEL)	(09/2019)

## LANGUAGES

---

Malayalam

English(7.5 IELTS)

Hindi

## REFERENCES

---

### DR. SAJEEV JOHN

Principal

Christ College of Engineering, Irinjalakuda, Thrissur -680125

Email ID : principal@cce.edu.in

Cont. no. : +91 9446478082

### DR. SIJO MT

Head of Department, Department of Mechanical Engineering,

Christ College of Engineering, Irinjalakuda, Thrissur -680125

Email ID : sijomt@cce.edu.in

Cont. no. : +91 9847520278

## DECLARATION

---

I solemnly declare that all the information furnished in this document is free of errors to the best of my knowledge

