



# WILLIAM R. EBENEZARAJ

Student of Aerospace Engineering at IIT Kharagpur

## PROFILE

I'm a student committed to learning, expanding knowledge in aerospace engineering, robotics, autonomous and embedded systems.

## CONTACT

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## HOBBIES

Electronics  
Piano and Guitar  
Writing utility programs  
Flight simulation

## SKILLS

Leadership and Teamwork  
Documentation  
Research Design

**Programming:**  
C, C++, python

**Frameworks:**  
ROS, PX4

**Simulation/Modeling:**  
MATLAB  
Gazebo  
Autodesk EAGLE, Ltspice  
Ansys  
Solidworks

## PRESENT OCCUPATION

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**Indian Institute of Technology, Kharagpur - Student**  
August 2019–Present

- B. Tech, Majoring in **Aerospace Engineering**, Microspecialization in **Embedded Software and Controls**.
- **CGPA: 9.11** (Aug '19 - July '20)
- Member of Mechatronics (Embedded) Team at **Autonomous Ground Vehicle Research Group**, IIT Kharagpur
- NIUS Chem (batch XVI.1) Scholar at HBCSE, TIFR, Mumbai
- Unit Leader of Unit VI, National Service Scheme, IITKGP
- Member of UAV Club

## EDUCATION

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**Kendriya Vidyalaya, IIT Kharagpur - Secondary Education**  
Math, English, Science, Social Sciences, Sanskrit  
August 2010 – March 2017

- Graduated AISSE with 9.8 CGPA
- Received DST-Inspire grant for project titled "Advanced Military Aircraft System" in 2015
- Presided over Readers' Club, 2016-2018
- Member of winning team of the 27<sup>th</sup> National Youth Parliament Competition, 2014-15
- Project selected for National Level in 22<sup>nd</sup> and 23<sup>rd</sup> National Children's Science Congress, 2014-16
- Green Olympiad 2014, TERI – Distinction: Silver Merit

**Kendriya Vidyalaya, IIT Kharagpur – Higher Secondary Education**  
April 2017 - May 2019

Math, English for Communication, Biotechnology, Physics, Chemistry

- Graduated AISSCE with 95.4% in 2019
- Topper, School in the Science Stream, 2018-19
- Member of School Council, 2017-18
- Leader of school music team, 2017-19

## EXPERIENCE & PROJECTS COMPLETED

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- Building an Arduino based **Constant-current Hot Wire Anemometer**, under [Prof. Aditya Bandopadhyay](#), as Fluid Mechanics Term Project – Autumn '20
- Involved in Design of **Four-Wheeled differentially stabilized Martian Rover**, under [Prof. Debasish Chakrabarty](#), IIT Kharagpur

## INTERESTS

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- Controls and Stability
- Instrumentation for scientific applications
- Unmanned Aerial Vehicle Design
- Embedded Systems Design (AVR-based)