Adhithyaa Dikshith

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Profile

A dedicated and goal-oriented engineering student who has completed foundational studies at RV College of Engineering with a CGPA of 8.8. I am now set to pursue Mechatronics Engineering at THWS, Germany, to deepen my expertise in smart systems and automation. With a strong passion for innovation and a clear goal to work in the automotive industry, I aim to contribute to the development of intelligent, future-ready vehicles through cutting-edge engineering solutions.

Education

FRESHMAN IN MECHATRONICS AT THE TECHNICAL UNIVERISTY OF APPLIED SCIENCES WURZBURG-SCHWEINFURT (SCHWEINFURT CAMPUS)

October 2025 - Present
Relevant Coursework: Fundamentals of Mechanical design, Programming-1, 3D-CAD Lab (All in English)

INDO-GERMAN CERTIFICATION PROGRAM IN MECHATRONICS AT RV COLLEGE OF ENGINEERING, BENGALURU, INDIA

August 2024 – May 2025
CGPA: 8.8/10
Relevant Coursework: Principles of Electrical Engineering, Mechatronics, Basics in Physics, Material Science and Metallurgy, Engineering Mathematics, Statistics in Decision Making and Operations Research

CHAITRA PU COLLEGE IN ASSOCIATION WITH NARAYANA, MYSURU, INDIA

II PUC, June 2022 – May 2024
Grade: 85.2% (Karnataka State Board)
Relevant Coursework: Physics, Mathematics, Chemistry, English, Kannada and Computer Science

MANASAROWAR PUSHKARINI VIDYASHARAMA, MYSURU, INDIA

Class X, March 2022
Grade: 94.2% (Central Board of Secondary Education)
Relevant Coursework: Science, Mathematics, Social Studies, English, Kannada

Projects

EXPLORING GROVER'S ALGORITHM USING QISKIT

- Collaborated on a comprehensive presentation exploring Grover's Algorithm, a quantum search algorithm that offers a quadratic speedup over classical methods. The project included a deep dive into quantum computing concepts such as superposition and entanglement, and demonstrated practical implementation using IBM's Qiskit framework. A case study on fraud detection showcased the algorithm's efficiency in unstructured data search.

ENGINE ANALYSIS OF AN INLINE 4 ENGINE

- Worked in a team to disassemble, inspect, and analyze a four-cylinder internal combustion engine. Gained practical insights into engine components, assembly mechanisms, and operational principles, enhancing our understanding of automotive engineering through hands-on experience.

PEIZOELECTRIC TILE

- Collaborated in a team to research and present on piezoelectric sensors, and built a working piezoelectric tile using piezoelectric transducers to demonstrate energy harvesting from mechanical stress.

ANALYSIS OF CORROSION DUE TO BATTERY LEAKS

- Worked in a team to design and conduct an experiment simulating corrosion caused by battery leaks, using dilute sulfuric acid to test its effects on metal samples such as steel and copper. The project involved immersion testing, weight loss analysis, and surface inspection to evaluate corrosion rates and patterns. Findings provided insights into the real-world impact of battery acid leaks on electronic and automotive components.

Skills

PROGRAMMING SKILLS:

- C++
- HTML
- Object Oriented Programming Skills (OOPS)
- MATLAB
- Simulink

PRODUCTIVITY TOOLS

- MS Office suite
- Google Docs
- Google sheets
- Notion

SOFT SKILLS

- Communication
- Leadership
- Teamwork

LANGUAGES:

- English: Advanced Proficiency
- Kannada: Native Proficiency
- German: Elementary/Beginner Proficiency

EDITTING SOFTWARE:

- Cap cut
- DaVinci Resolve

Certificates:

- International English Language Testing System (IELTS) 8.0 bands, Grade: C1
- Goethe-Zertifikat A1: Start Deutsch1- 73/100 (German Language Exam)
- TestAS Score: 194/260 (Proficiency Test for Germany