ABHINAV KOTHARI

Mechatronics Bachelor's Student

📞 +49 162-653-8200

✉️ abhinavkothari02@gmail.com

🔗 www.linkedin.com/in/abhinav-kothari-2ak

🏠 Briener Straße 45b / 47-01-04 Kleve

TECHNICAL SKILLS

- Python
- C, C++
- Java
- Visual Basic
- Microcontrollers (E.g. Arduino, Raspberry Pi, ESP etc.)
- PLC Programming
- Embedded Systems Programming
- PCB and Schematic Designing
- Soldering
- MATLAB & Simulink
- 3D Modelling, Assembly and Engineering Drawing
- SolidWorks
- 3D Printing
- AI Application Proficient
- Linux & Docker
- Git (GitHub and GitLab)
- VS Code
- HTML, CSS, JavaScript,
- Flutter
- LaTeX
- MS Office

ABOUT ME

I am a Mechatronics Systems Engineering Student with a passion for Robotics, Product Development, PCB Designing, and Research. I enjoy tackling complex challenges and developing practical and innovative solutions that integrate mechanics, electronics, and software.

WORK EXPERIENCE / INTERNSHIPS

Student Assistant at Hochschule Rhein-Waal
Project: Server Setup
Responsibility: Setup the Jobe server for the university
Duration: November 2025 - onwards

Student Assistant at Hochschule Rhein-Waal
Project: DONUT
Responsibility: Research on Brain Computer Interface and assistance with Microcontrollers course
Duration: March 2025 - onwards

Student Assistant at Hochschule Rhein-Waal
Responsibility: Assist with Engineering Drawing and Design Course (SolidWorks)
Duration: April 2025 - July 2025

Trainer at Private School of Life, Rheinberg
Responsibility: IT Administration and maintenance, Social Media management and conduct computer classes
Duration: January 2025 - March 2025

Student Assistant at Hochschule Rhein-Waal
Responsibility: Conduct tutorial session for Engineering Drawing and Design (SolidWorks Modelling and Drafting)
Duration: November 2024 - January 2025

Coordination Tutor at Hochschule Rhein-Waal
Project: Freshers Week 2024
Responsibility: Event organization and Social Media Management
Duration: July 2024 - October 2024

Internship at PAAVV Press Moulds Pvt. Ltd
Responsibility: Press Plate Manufacturing, Quality Inspection, IT setup and maintenance
Duration: May 2023 - July 2023

+49 162-653-8200

abhinavkothari02@gmail.com

www.linkedin.com/in/abhinav-kothari-2ak

Briener Straße 45b / 47-01-04 Kleve

PROJECTS

- KnockLock - Only unlock a box if knocked in a certain pattern - C++
- LoRaWAN Powered Smart Mailbox - detect and alert user in case mail is recieved - C++
- Designing Mobile Hardness Test Verification Kit - Concept, Electrical and Mechanical design & Production Planning
- Worksheet generator with mySQL DB - Java
- Impostor Card Game - Kivy Python

SOFT SKILLS

- Creativity
- Critical Thinking
- Problem Solving
- Leadership & Team Collaboration
- Troubleshooting
- Organisation
- Communication Skills
- Report writing
- Social Media Management

LANGUAGE

- English (C2)
- German (B1)
- Hindi (Native)

EDUCATION

BSc. Mechatronics Systems Engineering
Hochschule Rhein-Waal, Kleve, Germany
German GPA: 1.49
Semester: 5th
September 2023 - onwards

International Baccalaureate
G. D. Goenka World School Sohna, Gurgaon, Haryana, India
Points: 39/45
Grade: 11th to 12th
June 2021 - June 2023

International General Certificate of Secondary Examination
G. D. Goenka World School Sohna, Gurgaon, Haryana, India
Final Board: 91%
Grade: 9th to 10th
June 2019 - June 2021

Cambridge Lower Secondary
G. D. Goenka World School Sohna, Gurgaon, Haryana, India
Final: 91%
Grade: 6th to 8th
June 2016 - June 2019

ACHIEVEMENTS

Scholarship with Deutschlandstipendium
Duration: September 2024 - onwards
Scholarship received based on merit

Donation Drive
Position: Organizer
Year: 2022
Task: Collect clothes, stationary, masks and other sanitary products and give to those in need

Young Tycoons Business Challenge
Position: Leader
Year: 2021
Task: Create new innovative business idea and pitch it to investors
Achieved: top 500 out of 6,476 participants

The Coding Club
Position: Teacher
Year: 2021
Task: Teach the youth programming languages (HTML5, CSS, Python)