

Achintya Chaware

📧 Achintya-Chaware | [in](#) /achintya-chaware

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EDUCATION

Dr. Vishwanath Karad MIT World Peace University

B.Tech, ECE

Pune, MH

2020 – 2024

- CGPA: 9.59

WORK EXPERIENCE

SLB (Formerly Schlumberger)

Pune, MH

Electrical Engineer - Delivery

07/2024 – Present

- Working on the creation of technical frameworks for boosting the adoption of a key technology in the downhole segment.

EE Intern

01/2024 – 06/2024

- Studied various product compliance schemes such as CE, UKCA, IECEEx, NRTL etc.
- Performed compliance analysis and consultation for various products for CE/UKCA markings.
- Designed an internal framework for the NRTL compliance procedure for commercialization of products in the North American markets.

Utopic Tech Pvt. Ltd.

Pune, MH

Product Management Intern

08/2023 – 12/2023

- Worked on turning a prototype of a Point of Care (PoC) device into a market-ready product.
- Included research of Design for Manufacturing and Assembly (DFMA) practices and their implementation in product design.
- Studied the compliance procedure and the regulatory pathways for medical devices and created a framework for Design for Compliance. Did case study research on various go-to-market strategies for medical devices and the common challenges encountered in the process.
- Performed market analysis and obtained user feedback by talking to doctors, medical practitioners and patients of various types. Also did sales forecasting using extrapolations of the available and collected data to make key decisions.
- Designed various tools, testing equipment, testing methods and processes for manufacturing and testing for conducting batch trials on the prototype device.

Electronics and Product Engineering Intern

07/2022 – 10/2022

- Scope of the work included the design of a prototype for a point-of-care device for Creatinine measurement.
- Worked on debugging analog electronics, embedded programming and circuit design.
- Improved the prototype based on the feedback obtained while debugging to create a new generation prototype.
- New prototype included improvements in user experience, manufacturability, mechanical assembly, design, and embedded electronics. It also included brainstorming, creating project execution plans, planning timelines, and coordinating development activities.
- Designed some test setups for testing the key aspects of the prototype product.

VOLUNTEER EXPERIENCE

Founder and Head, Space Technology Research Group

09/2022 – 06/2024

- Started this student club at my university to create a research ecosystem around space technology at the campus.
- Built a team of 35-40 students with interdisciplinary backgrounds and performed outreach campaigns for recruiting the best talent on campus.
- Raised funds and support from the university and external industry sponsors to fund the activities of the club. Also reached out to the industry for collaborations and initiated some key industry partnerships.
- Participated in the CanSat India Student Competition 2023-23 organised by ISRO, IN-SPACe and ASI and cleared multiple rounds of the jury to reach the final competition where we stood amongst the top 10 teams.
- Initiated the POEM mission for a flight computer payload that will fly on the PSLV. Included writing the proposal, making presentations to various committees, space grade hardware design, coordination with IN-SPACe, managing the mission timelines, testing plans, etc.

Head of Electronics, Vegapod Hyperloop

08/2021 – 07/2023

- Led the electronics and communication subsystem for the pod that comprised a team of 5-6 people.
- Included the design, fabrication, and debugging of a delocalized embedded control system with a telemetry dashboard for critical data and controls.
- Included work on PCB design using Altium and KiCad, embedded programming on the STM32, CAN communication framework based on the AUTOSAR architecture, data logging and dashboards using python, etc.

Core Team Member, Club COSMOS

03/2020 – 03/2024

- Worked as the head of the media team and a core member.
- Included work on setting up a state-of-the-art observatory at the campus.

COURSES

MATLAB On-Ramp, MATLAB

Quantum Computing, The Coding School

Introduction to Flutter Development using Dart, The London App Brewery

Scientific Computing with Python Certification, FreeCodeCamp

Ongoing

Introductory C Programming Specialization, Duke University

Ongoing

SKILLS

Team: Team Building, Team Leadership, Project Execution

Product: Product Management, Product Design, User Experience Design, DFMA, Product Testing, Design for Compliance

Business Processes: Market Analysis, Business Analysis, Procedure Framework Creation

Electronics: Debugging, Analog Electronics, Embedded System Design, Circuit Design, PCB Design

Languages/Software: Altium Designer, KiCad, Python, MATLAB, HTML/CSS, Flutter/Dart, C/C++

ADDITIONAL INFORMATION

Languages: English, Hindi, Marathi