

VIRAJ KULKARNI

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EDUCATION

Savitribai Phule Pune University

Bachelor of Engineering in Electronics and Telecommunications

CGPA : 8.33/10

January 2021 – May 2025

Sawkar Science College Satara

HSC

Percentage : 93.33%

August 2019 – July 2021

TECHNICAL SKILLS

Languages and Databases: Java, Python, C/C++, MATLAB, MySql, Blynk.

Software: Eclipse, MATLAB, VS Code, Proteus, MS Office.

Other: Data Structures and Algorithms, Object Oriented Programming, Database Management Systems, Data-Signal Processing and Analysis, Financial Modelling, Computer networking, Embedded Programming and IoT.

WORK EXPERIENCE

Pantech ProEd Pvt Ltd

Jan. 2023 – March 2024

Embedded Systems & IoT Engineer Intern

- Developed IoT based solutions in an innovative manner and programmed microcontrollers, contributing to a **15% increase in system efficiency, 30% reduction in power consumption**.
- Implemented IoT protocols and collaborated on hardware-software integration projects, resulting in a **20% reduction in development time**.
- Improved **system performance by 25%** and **reduced tolerances by 15%** through effective sensor interfacing and optimization using **server-system integration**.

Acuevers Pvt Ltd

June 2023 – July 2023

Marketing Manager Intern

- Led a team to enhance stock management processes, resulting in a **30% increase in shareholder engagement**.
- Managed shareholder records meticulously, boosting **data accuracy by 25%**.
- Handled **over 200 shareholder inquiries** monthly, achieving a **98% satisfaction rate**.

AICTE NEAT-Mathworks

May 2023 – Sept 2023

MATLAB developer Intern

- Developed mathematical & AI based projects using **MATLAB**, focused on data visualization & data analysis by **90% error reduction**.
- Analyzed and processed datasets with **over 100,000 entries** to extract meaningful insights.
- Created comprehensive data visualizations, enhancing **data interpretability by 30% & accuracy by 25%**.

PROJECTS

Smart HealthCare System | *Embedded Software Programming & Interfacing, IoT Protocols, PCB Design & Assembly*

- Developed & **implemented a real-time healthcare system** that achieved data transmission and display **latency of less than 1 second**, providing accurate and timely health metrics.
- Optimized the system's power consumption by 30%**, ensuring continuous operation without any interruption.
- Conducted user testing**, reporting a **96% accuracy & 40% more cost-efficiency** for ease of use and data reliability.

E Pass Management System | *Java, Servlet, Session management, JDBC, UI/UX*

- Automated the e-pass generation process, **reducing manual effort by 80%**.
- Improved response time for e-pass approval by 50%** through efficient backend integration.
- Implemented JDBC for seamless database connectivity, **handling 5,000+ records efficiently**.