

Abhay Sanjay Ayare

Electronics and Tele-Communication
Bachelor of Technology
KIT's College of Engineering, Kolhapur

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🐙 GitHub Profile
🌐 LinkedIn Profile

PROFILE SUMMARY

Enthusiastic B.Tech ETC student with practical expertise and interest in AI, ML, Data science, etc. Completed impactful projects like AI arm and smart CCTV innovatively.

EDUCATION

- **Kolhapur Institute of Technology's College of Engineering, Kolhapur** 2021-25
B.Tech in Electronics and Telecommunication CGPA: 6.5
- **Dr.Tanajirao Chorge Junior College Nandwal, Kolhapur** Feb-2020
Completed HSC
- **New High School, Kolhapur** March-2018
Completed SSC

PERSONAL PROJECTS

- **AI Based Prosthetic Arm**
Developed an advanced prosthetic arm utilizing EMG sensors integrated with machine learning techniques.
 - Developed a cost-effective prosthetic arm for individuals with disabilities.
 - Utilised different body signal(EMG,ECG,EEG signals) to optimize application.
 - Technologies used: Python, ANN, Arduino UNO, Machine Learning, Fusion365, 3D Printer and basic IOT.
- **Smart CCTV**
Engineered a Smart CCTV project using computer vision and ML algorithms.
 - To accurately record in/out counts of hostel students.
 - Automated alert mailing system for hostel authority.
 - Technology Used: Python, Image Processing, YOLO, Tkinter, Computer Vision.
- **Quiz Builder and Solver**
A Quiz Builder App is a software tool designed to create, manage and administer quizzes or tests.
 - Developed a classic Quiz Builder App using Python.
 - Implemented a graphical user interface for the App.
 - Technology Used: Java, DSA, HTML+CSS, SQL.

POSITIONS OF RESPONSIBILITY

- **President Matrix Student Club** 2023-24
 - Matrix: The Student's chapter of ISRO-IIRS is an Astronomical Club at KITCoEK.
 - Helped to manage events: Avbodh, Chandrayan Mahotsav, Celestial Canvas.
 - Managed the Astrological sessions and events for students.

CERTIFICATIONS AND WORKSHOPS

Tata Data Visualization: Job Simulation by TCS

Forage-Accenture: Data Analytics and Visualization Job Simulation

Techfest, IIT Bombay: Python Workshop

Elements of AI: Minna-learn

Google Cloud: Introduction to Generative AI

Data Science Course: FirstBit Solutions

IIRS Workshop: Exploring Earth's Moon through Chandrayan

TECHNICAL SKILLS AND INTERESTS

Languages:C++, C, Python, JavaScript, HTML, CSS, SQL

Libraries :Python (NumPy, Pandas, Matplotlib)

Web Tools:Visual Studio Code, Git, GitHub, Docker, PowerBI

Tools: Arduino IDE, MATLAB, Cisco Packet Tracer

Cloud/Databases: MySQL, Firebase

Areas of Interest: Machine Learning , VLSI ,Data Analysis & Processing

Soft Skills: Problem Solving, Management, Self-learning, Adaptability