



Sinhgad Institutes

VIVEK MAHENDRA CHANNE
B.E. - Electronics & Telecommunication Engineering
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EDUCATION

Shrimati Kashibai Navale College Of Engineering

2022 - 2026

B.E. - Electronics & Telecommunication Engineering | CGPA: 8.45 / 10

Goverment Polytechnic Karad, Karad

2023

Diploma | Diploma - Electronics & Telecommunication Engineering | MSBTE | Percentage: 81.88 / 100

Mahatma gandhi vidyalaya, kadegaon, Kadegaon

2020

10th | MSBSHSE | Percentage: 90 / 100

INTERNSHIPS

Techverse upskill E-learning | Cyber Security

13 Jan, 2025 - 15 Feb, 2025

Intern

Key Skills: Cyber Security Network Theory Network Security Malware Analysis

Completed a cybersecurity internship where I assisted in monitoring network activity, identifying potential vulnerabilities, and supporting incident response efforts. Gained hands-on experience with security tools like firewalls and antivirus software. Contributed to regular security audits, vulnerability assessments, and research on emerging threats. Worked closely with the IT team to enhance system security and ensure compliance with cybersecurity standards.

Prism Automation & Robotics Pvt. Ltd | Machinery / Equipment Manufacturing

04 Jul, 2022 - 14 Aug, 2022

Intern

Key Skills: Sensor Technology CNC Machine Robotics PLC Programming Human Machine Interface

Completed a 6-week hands-on industrial training program focused on automation systems, control systems, PLC programming, HMI interfaces, sensor integration, robotics, and industrial communication protocols. Worked on real-time projects including CNC wiring, robotic spot welding setup, and leak test SPM machine assembly and programming.

PROJECTS

SECURE DATA HIDING IMAGES USING STEGANOGRAPHY

13 Jan, 2025 - 15 Feb, 2025

Team Size: 1

Key Skills: Python Image Processing Steganography Data Security & Authentication

Developed a Python-based steganography tool to securely hide and retrieve text messages within digital images using the Least Significant Bit technique. The system featured password protection and a user-friendly GUI, ensuring high image quality and message confidentiality without visual distortion.

Arduino based Vehicle Tracker using GPS and GSM

Team Size: 4

Key Skills: Arduino UNO GPS & GSM Interfacing Serial Communication Embedded C

Built a real-time vehicle tracking system using Arduino, GPS, and GSM modules. The system sends live location via SMS on request by parsing GPS data and communicating through GSM using AT commands.

Secure Access Control System Using RFID

Team Size: 5

Key Skills: RFID Interfacing Authentication Circuit Design

Built an RFID-based access control system with Arduino, LCD display, relay-driven solenoid lock, and security features like cryptographic authentication and anti-cloning. The system validates RFID cards, gives real-time feedback on an LCD, and securely unlocks access for authorized users only.

ESP32-CAM Face Recognition Using Impulse

Team Size: 3

Key Skills: Embedded Programming TinyML Model Training Edge Computing Circuit Design PCB Design

Developed a low-cost, real-time face recognition system running entirely on an ESP32-CAM with an Edge Impulse model, eliminating cloud dependency and enhancing speed, privacy, and efficiency for smart security and IoT applications

ASSESSMENTS / CERTIFICATIONS

Introduction to Modern AI

Key Skills: Fundamentals of AI & Machine Learning Problem Solving with AI Tools AI Use Cases & Trends

Completed a certified course on Modern AI, covering foundational to advanced concepts in artificial intelligence, including machine learning, deep learning, and real-world AI applications.

Machine Learning for Data Science Projects

Key Skills:

Data Preprocessing & Feature Engineering Python for Machine Learning Real-world Data Science Project Implementation

Earned a professional certificate from IBM on applying machine learning techniques to real-world data science projects. Covered supervised and unsupervised learning, data preprocessing, and model evaluation.

Program in Cyber Awareness AI Basic

Key Skills: Cybersecurity Fundamentals AI in Digital Safety Threat Awareness

Completed a introductory course on cybersecurity awareness integrated with AI fundamentals. The course covered basic cyber threats, AI's role in security, and safe digital practices.

SEMINARS / TRAININGS / WORKSHOPS

Industry Visit: Bharat Sanchar Nigam Limited (BSNL)

Institute Name: BSNL 18 Mar, 2025 - 18 Mar, 2025

Key Skills:

Basics of Telecom Switching Systems GSM & Mobile Communication Networks Signal Transmission & Routing Techniques
Broadband Infrastructure & Networking

Green Skills and AI under Skills4future Program

17 Feb, 2025 - 25 Feb, 2025

Institute Name: Edunet foundation in collaboration with AICTE

Key Skills: Machine Learning CNN Environmental Science

Industry Visit: Centre for Development of Advanced Computing (CDAC), Pune

02 Aug, 2024 - 02 Aug, 2024

Institute Name: CDAC, Pune

Key Skills: Exposure to Supercomputing & PARAM Systems Insight into Government-led Tech Initiatives

Entrepreneurial Skills Through Product Development

23 Feb, 2024 - 27 Feb, 2024

Institute Name: Tronix365

Key Skills: Product Development Basics Entrepreneurial Thinking Prototyping & Design Electronic Circuit Design

EXTRA CURRICULAR ACTIVITIES

- Magazine Head
- Member of IETE Students Forum(ISF)

PERSONAL INTERESTS / HOBBIES

- Exercising
- Travelling

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: Bharti Vidyapeeth backgate, Shriram nagar lane no.1 behind kgn ayurvedic, katraj 411046, Pune, Maharashtra, India - 411046

Date of Birth: 18 Apr, 2004

Known Languages: Marathi, Hindi, English

Permanent Address: A/P Near sai mandir, Kadegaon, Rajlaxmi Saubhagya Building Flat No.10, Sangli, Maharashtra, India - 415304

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