

Vikas Sanjay Patil

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EDUCATION

SVKM's Institute of Technology ,Dhule

B.tech in Electrical Engineering

Dec 2021- July 2024

CGPA : 6.82/10

SSVPS B.S.Deore polytechnic ,Dhule

Diploma in Computer Engineering

Aug 2018- Aug 2021

Percentage : 87.14

N.Z.B. Patil High School,Dhule

SSC

june 2017

Percentage: 76.80

TECHNICAL SKILLS

Programming Languages : C++ , Java

Related Courses : Data Structure and Algorithms (DSA),Computer science fundamentals,Database management system (DBMS),Object Oriented Programming (oop),Software Development Lifecycle (SDLC)

Software Tools : VS Code , Eclipse , NetBeans , Workbench

Database : MySQL

PROJECTS

- **Peer-to-Peer Chat Application :** *Java , Socket programming , Multi-threading , AWT and Swing* [May 2024]
It is a Chat application in Java using socket programming. The app provides GUI for both Server and Client to allow real time communication between them. Features include such as message sending, receiving and handling real-time user input events. Enhanced understanding of network communication protocols and Java concurrency concepts through practical application. [GitHub](#)
- **Database Manager in Java Using JDBC :** *Java , JDBC , MySQL* [July 2024]
This is a console-based application that interacts with a MySQL database to perform basic CRUD (Create, Read, Update, Delete) operations on a "Database (Students)" table. The application uses JDBC (Java Database Connectivity) to connect to the database and execute SQL queries. [GitHub](#)
- **Autonomous Drone :** *Arduino IDE, Mission Planner, C++ ,Ultrasonic sensors, Pixhawk 2.4.8* [Aug 2023]
In this project we have developed an Autonomous drone which can be used to provide medical aids during natural calamities. Once the location is assigned drone can fly to that location autonomously and can drop the parcels. [Try it!](#)
- **Energy Monitoring System :** *HTML, CSS, MQTT, C++ ,Arduino IDE* [Nov 2022]
This was a live IOT based industry project. The aim of this project is to provide a system through which user can monitor real-time consumption of the power quantity. [GitHub](#)

INTERNSHIP

Data Science Intern

Celebel Technologies, Jaipur

Jun 2023 - Aug 2023

- Developed Air Quality Index prediction system project using Machine Learning.
- Gained valuable insights into various aspects of data science, including data handling, data cleaning, and data visualization.
- Additionally, I learned basics of Python programming language and familiarized myself with both supervised and unsupervised learning techniques

ACHIEVEMENTS

- Received third prize in Best Innovative Design in Autonomous Drone Challenge organized by SAE India Southern Section at Chennai [Link](#)
- Received first prize as Batch Topper in IDBI Intech workshop [Link](#)

EXTRA CURRICULAR ACTIVITIES

- **Team Leader :** Autonomous Drone Development Challenge - SEP 2022 - August 2023
- **Project Lead :** Energy Meter Monitoring System - Sep 2022 - November 2022
- **EESA Committee Member :** Technical Representative - 2022
- **Lead Institute Technical Committee :** Annual Function - 2022

INTERPERSONAL SKILLS

- Fast Learner , Problem Solving , Leadership Qualities , Excellent Communication , Team Player , Collaborative