






Shivanand Satao


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 Pune, India

 linkedin

 github

 leetcode



EDUCATION

B.Tech AI&DS - CGPA - 9.08
Vishwakarma Institute of Technology (VIT)

08/2023 – 08/2027
Pune, India

COURSEWORK / SKILLS

- Data Structure and Algorithms
 - Database Management System
- Cloud Computing
 - Competitive Programming
- Web Deveelopment
 - Object oriented Programming

PROJECTS

- Encryption-and-Decryption-of-Files,**
GUI Development(TKinter) .Cryptography(AES) .File Handling .Git .GitHub .Image Processing(Pillow)
 - Developed a secure file encryption and decryption system using Python and AES 256-bit encryption. Implemented a Tkinter GUI for file encryption with a 6-digit password.
- Crime-Records-of-India,** Node.js, Express.js, MySQL, Bootstrap, JavaScript, jQuery, HTML5, CSS3
 - Developed a **RESTful backend** using Node.js & Express, with MySQL for relational data storage and optimized queries.
 - Integrated **role-based authentication** to ensure secure access for police personnel and admin users.
 - Enabled **search and filter features** for quick retrieval of crime records based on location, date, or type.
- Dynamic Wireless EV Charging System,** .C++ .Arduino (IDE) .Embedded Systems
 - Implemented dual-sensor system with 22.5 gauge Tesla coils operating at 5V DC for power transfer
 - Designed system converting 220V AC to 9V DC with real-time charging status monitoring via LCD display.

TECHNICAL SKILLS

- Languages**
C++, C, Python, JavaScript, Html, CSS.
- Developer Tools**
VS Code, MongoDB Compass ,Ardiuno IDE,GitHub, MongoDB Atlas, Git ,Tkinter , Bootstrap.

PUBLICATIONS

IJRES(ScopusIndexJournal):Analysis for Real-Time Car Detection

01/02/2025

EXTRACURRICULAR

- Cloud Coordinator**
Coordinator of Innovosphere, a newly established club at VIT Pune, leading initiatives to promote innovation and technical collaboration among students.
- 01/2025 – Present
pune, India
- Mathematics Mentor**
Mentored students in mathematics at VIT Pune through the Catalyst Club, providing guidance on problem-solving techniques, logical reasoning to enhance their academic performance.
- 02/2024 – Present
pune, India
- Night Patrolling Volunteer**
Volunteered for night patrolling with state police to ensure public safety in Pune.
- 01/2024 – 03/2024
pune, India

ACHIEVEMENT

- Leetcode (Max 1414)**
- Codechief (live 1047)**

COURSES

Microsoft Azure Fundamentals (AZ-900T0o-A)

09/2024