

Tinish Uge

UNDERGRADUATE STUDENT | VIT, PUNE



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EDUCATION

B. Tech in Instrumentation & Control Eng.

Vishwakarma Institute of Technology

2020-2024

Education in field of Science

Saint Paul Junior College

2018-2020

TECHNICAL SKILLS

- Algorithm Design
- Automation Testing
- Process Control
- Sensor Calibration
- Machine Learning & Deep Learning
- Python, C/C++, MERN
- Data Science
- Database Management

SOFT SKILLS

- Project Management,
- Leadership and Empathy,
- Organizational & Multitasking
- Initiative and problem-solving abilities,
- Time management,
- Strong Communication & Interpersonal Skills

CERTIFICATIONS

- Advanced NLP LinkedIn Certification
- Deep Learning & Neural Networks LinkedIn Certification
- Project Management LinkedIn Certification

PROFILE

I am a dedicated and results-driven professional with a graduate degree in Instrumentation & Control Engineering, complemented by expertise in Control Systems, Algorithm Design, Automation Testing, Sensor Calibration, Data Science, Artificial Intelligence, Deep Learning, Web Development. I thrive in dynamic environments, demonstrating exceptional problem-solving, communication, and collaboration skills while continuously seeking opportunities to learn from experienced professionals.

CGPA: 8.53

PROJECTS - DOMAIN

Obstacle Detection Using Signal Processing

This project helps detect obstacles within a 5-meter range and alerts users about them. I've also enhanced it to include both signal and image processing simultaneously.

- Signal Processing
- Image Processing
- Sensor Integration

Real Time Data Acquisition of Solar Panel parameter and data analysis for energy efficiency

Designed a project using Arduino Uno, ESP826601, and various sensors to monitor solar panel performance in real-time. Collected data on voltage, current, temperature, and humidity to analyze energy efficiency.

- Energy Efficiency Optimization
- Data Analysis

PROJECTS - SOFTWARE

Online Proctoring System Using Data Anonymization

An Online proctoring system designed to ensure security during remote exams.

- Created a smart online proctoring system using data anonymization techniques.
- Developed algorithms to hide sensitive info instantly.
- Implemented high-level encryption for safe data transfer

Secure Document Verification System with Blockchain Integration

An advanced system for verifying identities and documents.

- Developed a Document Verification System utilizing Blockchain Technology.
- Designed smart contracts for automated verification process.
- Ensured secure-handling and record-keeping of documents

WORK EXPERIENCE

Technology Development Intern

Spark Innovation

12/ 2023 - 05/ 2024

A company focused on developing hardware and software projects across multiple engineering domains.

- Contributed to the development and implementation of various hardware electronic projects.
- Development of software projects spanning full-stack web development, Data Science, Deep Learning, Blockchain, Biomedical and more across multiple engineering domains.
- Contributing to innovative solutions, applying expertise in both hardware and software domains.
- Worked collaboratively with cross-functional teams to meet and exceed project goals.