GENERAL PROFICIENCY

Activity- 6

PERSONAL INFORMATION

Name: Vedant Satvasheel Shitole

Date of Birth: 15th February 2006

Place of Birth: Pune

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Address: 23, Karishma Society, Kothrud, Pune, Maharashtra – 411045

Languages Known: English, Hindi, Marathi

Nationality: Indian

Marital Status: Single

Blood Group: B+ve

CAREER OBJECTIVE

An industrious and active individual with strong organizational, analytical, and communication skills. Passionate about leveraging technology especially in electronics and telecommunication solutions. Seeking opportunities to contribute effectively in dynamic environments while continuously learning and growing.

EDUCATIONAL QUALIFICATION

Qualification	Institution	Board/University	Year	CGPA/Percentage
B.Tech in Computer Science (AI&ML)	Vishwakarma Institute of Technology, Pune	Savitribai Phule Pune University	2024	8.75 CGPA
HSC (Class XII)	Aditya College,Baner, Pune	Maharashtra State Board	2022	69%
SSC (Class X)	Vidya Bhavan	Maharashtra State Board	2020	87.5%

GOALS

Short-Term Goals:

- Gain practical experience in IoT and CyberSecurity

- Work on real-world projects involving MySQL, TypeScript, and embedded systems.

- Build a strong professional network and portfolio.

Long-Term Goals:

- Become a system architect and/or debugger in smart safety or analytics domain.

- Lead technology development for research and innovation.

- Publish or present research in IoT or mechatronics.

Future Goals:

- Launch a startup focused on intelligent safety devices or technological solutions.

- Pursue higher education or research in cybersecurity or block-chain systems.

TECHNICAL SKILLS

- Programming Languages: C, C++, Python, JavaScript, TypeScript and Flutter.

- Web & Backend: HTML, CSS, Node.js, Express.js

- IoT & Embedded Systems: ESP32, Arduino, sensor interfacing (MQ2, MQ7, MQ135, accelerometer, GPS)

- Development Platforms: KNIME Analytics, Arduino IDE, VS Code.

- Databases: MongoDB (basic), Firebase (basic), MySQL.

- Soft Skills: Leadership, Communication, Problem-Solving, and Team-Work.

CERTIFICATIONS

- Node-RED for IoT Development – Coursera

- Introduction to IoT – Cisco Networking Academy

- Embedded Systems and Arduino Projects – Udemy

- Python for Beginners – SoloLearn

- Public Speaking and Communication – TEDxVITPune (Volunteer/Organizer Role)

KEY PROJECTS

1. CO detection for health safety (Safety Device)

A smart helmet system designed for workers in hazardous environments.

•	Tech Used: ESP32, temperature sensor, MQ2, MQ7, MQ135, Express.js

•	Features: Real-time data monitoring, emergency alert system, GPS-based tracking

•	Outcome: Displayed on a custom Node-RED dashboard with emergency state detection.

3. DIKSHA Platform Presentation (Academic Project)

•	Created a detailed PowerPoint presentation on the Indian Government's digital learning platform

•	Focused on platform structure, scalability, and education outreach

•	Recognized for concise and clear breakdown of tech-enabled education

4. TEDxVITPune 2025 (Organizer Role)

•	Contributed to planning and organization of TEDx event themed on innovation, energy, and love

•	Worked on technical coordination and communication

•	Enhanced team collaboration and leadership skills

HOBBIES & INTERESTS

•	Exploring new technologies (UI/UX, Robotics, Automation)

•	Playing and organizing sports events

•	Designing infographics and event posters

•	Public speaking and community engagement

•	Watching and analyzing TED Talks

SWOT ANALYSIS

Strengths:

1.   Strong foundation in embedded systems, IoT, and full-stack development (Node.js, Express.js, Node-RED)

2.   Excellent problem-solving and analytical abilities

3.   Effective communicator and team leader with experience organizing large events

4.   Quick learner with hands-on project experience in safety-oriented technologies

Weaknesses:

1.   Limited experience in corporate or industrial work environments

2.   Still building expertise in advanced AI/ML and large-scale system optimization

3.   May require improvement in time management during multi-project handling

Opportunities:

1.   High demand for skilled IoT and smart device developers

2.   Scope to work on impactful projects for safety, automation, and smart cities

3.   Opportunities for higher education or certifications in AIoT and robotics

4.   Potential for entrepreneurship or innovation in public safety tech

Threats:

1.   Rapidly evolving technology landscape may demand constant upskilling

2.   Competitive job market in tech requiring standout skills and real-world impact

3.   Dependence on hardware availability or funding for prototyping in product development