

KIRAN TAJANPURE

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PROFESSIONAL SUMMARY

Motivated **IT engineering student** with a **strong foundation in programming**, problem-solving, and teamwork. Proficient in **Java, Raspberry Pi, sensors, and GUI development**. Skilled in creating innovative solutions through hands-on projects. Aspiring to contribute to advancements in software development, automation, and AI. Committed to solving challenges with creativity and a **never-give-up mindset**.

EDUCATION

Bachelor of Engineering in Information Technology

Amrutvahini College of Engineering (SPPU)

Nov 2022 – Present

CGPA : 7.50

Higher Secondary Education (12th Grade)

Shramik Junior College, Maharashtra State Board (MSBSHSE)

2020 – 2022

Percentage: 60.00%

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, Python, Java, C language
- **Web Development:** HTML, CSS
- **Databases:** MySQL, PL/SQL
- **Tools:** Git, Github, Eclipse IDE

PROJECTS

HomeAutomation 🔗 | Developed an IoT-based system to control home appliances using sensors, Raspberry Pi,

- Built a system using **Raspberry Pi** to automate home appliances such as lights, fans, and TVs with voice control and sensor integration.
- Incorporated a **GUI** for user interaction and control, and integrated a **raindrop sensor** and **ultraviolet sensor** for automation triggers.
- Utilized **Python** for backend scripting and **Raspberry Pi GPIO** for controlling devices, providing seamless automation and increased convenience.

AIVirtualMouse 🔗 | python 3.12, libraries, camera

Jan 2024 - Apr 2024

- Developed an AI-powered virtual mouse application that allows hands-free control of a computer using **Python** and **OpenCV** for gesture recognition.
- Leveraged **camera input** to track hand movements and convert gestures into mouse actions such as click, scroll, and move.
- Implemented machine learning algorithms to enhance gesture recognition accuracy, enabling a seamless and efficient user experience.

ACCOMPLISHMENTS

- Won **3rd place** in the **IoT project competition** under the IEI Student Chapter in association with the IoT Club, for project Home Automation

INTERNSHIPS

- **Intern, Zensar Technologies** Completed a one-month internship where trainees from **Zensar Technologies** visited the college to conduct hands-on training on **PL/SQL, Python, and Java**. Gained practical exposure to:
 - Writing and optimizing **PL/SQL queries** for database management and automation.
 - Developing and debugging **Python programs** for automation and data processing. we did a pythonbased project i.e. AI Virtual Mouse
 - Understanding **Java** fundamentals, object-oriented programming, and basic project structuring using Eclipse IDE.

CERTIFICATIONS

- 12-Week **NPTEL Certification in Java Programming**
- Zensar Technologies **Internship Completion Certificate** (PL/SQL, Python, Java)
- IoT Project Certification – IEI Student Chapter in association with IoT Club (Third Prize)