

# VAISHNAVI PATEKAR

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## Profile Summary

Self-Motivated Computer Engineering student with experience in Java and Web development. Proven ability to work on innovative tech projects, including IoT and AI-integrated platforms. Passionate about using technology to solve real-world problems and enhance user experience through scalable and intelligent applications.

## Education

**B.E. in Computer Engineering** November 2022 – June 2026  
Trinity College of Engineering and Research, Pune | **CGPA: 8.01**

**Senior School Certificate Examination (CBSE - Science Stream)** June 2021 – March 2022  
Rotary English Medium School and Junior College, Khed | **Score: 79%**

**Secondary School Certificate Examination (SSC)** June 2019 – March 2020  
St. Xavier's School, Mahad | **Score: 93%**

## Skills

**-Technical Skills:** Java , HTML , CSS , JavaScript , WordPress, PHP, MySQL, MongoDB, Express.js, React.js, Node.js (**MERN Stack**)  
**-Tools and IDEs :** VS Code , GitHub , MongoDB, Postman , Arduino IDE , Raspbian OS.  
**-Soft Skills:** Teamwork , Problem-solving , Adaptability.

## Projects

- Campus Auto Connect** [LINK](#)
  - Built a web app for students to book auto rickshaws to/from campus using HTML, CSS, JavaScript, Express.js, and MongoDB.
  - Implemented student login validation with secure database handling.
- Banquet Hall Booking Website** [LINK](#)
  - Developed a responsive website for banquet hall slot booking using HTML, CSS & JavaScript.
  - Enabled users to check availability, book slots, and receive booking confirmations.
- Memory Flipping Tiles Game** [LINK](#)
  - A Java Swing-based game to match tile pairs with move counter, timer, difficulty levels, and dark mode support.
  - Features an interactive GUI using OOP, ArrayList, and javax.swing.Timer for real-time gameplay.
- AI Driven Smart Blind Stick** [LINK](#)
  - Created an assistive device using Raspberry Pi and ESP32-CAM for object recognition, voice alerts, and GPS-based SOS.
  - Included features like water detection and achieved 90%+ accuracy in obstacle recognition.

## Internship

**Intern – Edunet Foundation(SAP)** January 2025 – April 2025  
- Completed training in AI, ML, IoT, and Data Science with hands-on projects.  
- Worked on an IoT-based assistive device and 3+ mini projects like sign language recognition and smart brightness control.  
- Gained practical exposure to real-world applications and enhanced technical and communication skills.

## Certifications

- Java Course – Scaler Academy
- IBM Cyber Security Certificate – IBM Skills Build
- Augmented & Virtual Reality Bootcamp Certificate – Organized by CDAC
- Accenture Data Analytics and Visualization Job Simulation – Forage

## Achievements

- Finalist, Code Unnati Innovation Marathon 3.0** – Selected among **160** projects and presented at GTU, Ahmedabad.
- Winner, ISTE Prototype Making Competition**
- Research Paper Published** – Enhancing Healthcare with Predictive Analytics Using Machine Learning Model.( IJIRT 2024)