

Pratyush Ranjan

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🌐 Pratyushranjan23 📍 Hyderabad, India

Summary

Results-driven Software Developer with expertise in Java Full Stack development and microservices. Proficient in building scalable applications, IoT integrations, and automation solutions. Hands-on experience with web development, database management, and cloud technologies. Passionate about solving complex problems through efficient coding and innovative software solutions.

Skills

Programming Languages: Java, Python, SQL

Web Technologies: HTML, CSS, JavaScript

Databases: MySQL, Oracle

Core Skills (Electronics): PCB Design, IoT Integration

Education

B.Tech in Electronics And Communication Vidya Jyoti Institute Of Technology	Expected May 2025 Hyderabad, India
• CGPA: 7.1/10	
HSC Higher Secondary Certificate – MPC Kendriya Vidyalaya Gachibowli	July 2021, Hyderabad, India
• CGPA: 8.4/10	
SSC Secondary School Certificate Kendriya Vidyalaya Gachibowli	May 2019, Hyderabad, India
• CGPA: 7.2/10	

Projects

Personal Portfolio

[pratyushranjan-portfolio](#) 🔗

- Designed and developed a clean and modern Personal Portfolio website using **HTML, CSS and JavaScript**
- Optimized website for **speed and user experience**
- Utilized **responsive design** to ensure compatibility across all devices
- Deployed on GitHub pages via GitHub Actions

ESP32-Based IoT-Enabled Multi-Sensor Military Surveillance Robot

[Project Report](#) 🔗

- Collaborated in a team of 4 to design and build an IoT-enabled robot for military surveillance and hazardous environment monitoring.
- Integrated ESP32 microcontroller with sensors (gas, temperature, proximity, laser) and ESP32-CAM for real-time video streaming.
- Developed a web-based control dashboard using HTML and JavaScript, enabling wireless control and sensor data visualization.
- Utilized MQTT protocol for secure, real-time communication between the robot and cloud-based interface.
- Presented project findings to stakeholders, receiving positive feedback for clear communication.

Certifications

- **Java Full Stack Development Certification by Wipro** (September-2024)
- **Eduskills Google for Developers AI & ML Virtual Internship** (April-June,2024)
- **Programming Fundamentals using Python by Infosys** (August-2024)
- **SmartInterviews- DSA** (May-2024)
- **Industry-Oriented PCB Design Course conducted by Unistring Tech Solutions.** (Feb-2025)

Internships & Experience

AI & Machine Learning Virtual Internship, EduSkills- Google for Developers

April – June 2024

- Completed a virtual internship covering fundamental AI & ML concepts.
- Developed an Android application using Android Studio.
- Gained hands-on experience with app development, UI design, and basic ML models.

Hobbies

- **Sim Racing Enthusiast** – Passionate about motorsports and vehicle dynamics, applying analytical thinking and quick decision-making in competitive racing simulations.
- **Travel & Exploration** – Love discovering new places and cultures, broadening perspectives.
- **Fitness & Healthcare** – Passionate about maintaining a healthy lifestyle through regular exercise.