

P Sandeep Yadav

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EDUCATION

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology Chennai, India
Bachelor of Technology in Computer Science and Engineering
Aug 2022 – May 2026

Govt. Model Sr. Sec. School Port Blair A&N Islands, India
12th CBSE
July 2020 – Apr 2021

SKILLS

Programming: Java, Python

Data & ML: LSTM, YOLO, TensorFlow, Scikit-Learn

Web Development: HTML, CSS, JavaScript

Analytical Tools: SQL, Excel, Power BI

CS Fundamentals: Data Structures, Algorithms, OOPs

Soft Skills: Collaboration, Leadership, Communication, Teamwork, Adaptability, Problem-Solving

PROJECTS

Cropsmart June 2023 – 2024

Python, LSTM, TensorFlow, Flask

Built an AI-driven agri-tech platform using LSTM-based crop price prediction to enable direct farmer-to-market access and data-backed selling decisions.

Adaptive Traffic Flow Control System June 2024 – Present

Python, TensorFlow, YOLO, LSTM, OpenCV

Developed a smart traffic system using YOLO for real-time vehicle detection and LSTM-based congestion prediction to dynamically optimize lane-wise signal timing.

INTERNSHIP EXPERIENCE

Web Development Intern July 2025 – Sept 2025

EIsystems Technologies

Developed responsive front-end interfaces using HTML, CSS, and Bootstrap, focusing on UI consistency and usability.

Software Testing Intern Aug 2025 – Sep 2025

International Giraffe Chess Federation (IGCF)

Executed functional and defect testing for a mobile application, ensuring stable performance and usability.

NOTABLE ACHIEVEMENTS

YESIST12 – International Project Contest (2025): Secured 2nd Place at IEEE YESIST12 International Project Contest (2025) for developing an Adaptive Traffic Flow Control System using YOLO and LSTM for real-time traffic optimization

RapteeHV CodeVolt (2025): Competed in a **national-level hackathon**, demonstrating strong problem-solving ability and technical expertise.

POSITIONS OF RESPONSIBILITY

IEEE Student Member: Assisted in organizing **technical sessions**, quizzes, and student-led IEEE activities, contributing to peer learning and community engagement.

Webmaster – IEEE CIS Club, Vel Tech University: Overseeing website design, content management, and technical support for IEEE events and activities.

Startup Summit Volunteer, Vel Tech (2023): Provided **logistical support** and coordinated **startup pitches and speaker sessions**, ensuring smooth execution of the event.

CERTIFICATIONS

Java Programming Fundamentals: Infosys Springboard (2024)

Data Structures using Python: Infosys Springboard (2024)

NPTEL – Social Innovation in Industry 4.0: Elite + Silver, Score: 85% (2025)