

VISHVENDRA SANGWA

Software Development Engineer

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Professional Experience

Parzel.in – CTO

January 2025 – April 2025

- Co-founded Parzel (tier3 cities own quick commerce), built partnerships with major homegrown and local businesses and SME's
- Increased customer acquisition by 36%

Fix.ai – Growth and Marketing Intern

November 2024 – January 2025

- Intern at UnicornisAI Solutions Private Limited where I closely witnessed building SaaS and innovating regular A/B testing for Meta and Google Ads.
- Customer Acquisition and rapid building, shipped and improved.

Projects

ABB IRB120 Robotiq 85gripper

March - 2025

Technologies: ROS2, MoveIt2, Gazebo, URDF

- Migrated the existing robot towards the newer stack of ROS2 and MoveIt2 as end of life approaches for the previous stack
- learned managing and maintaing core archecture and improving step by step

TurtleBot3

April - 2025

Technologies: C++, Python, Docker, CMake

- Built a ROS2 node in Python to control TurtleBot3 by sending velocity commands.
- Learned how ROS2 nodes, topics, and messages work together to control robots in multi-thread spectrum.

Forge-FIT

January - 2025

Technologies: HTML, CSS-Tailwind, JavaScript

- ForgeFit is your ultimate workout companion, designed to forge personalized fitness plans that fit your schedule and goals
- One step solution to Log workouts and track your progress with detailed charts and graphs.

Urban Bloom

November - 2024

Technologies: JavaScript, React, node.js, Express, MongoDB

- Urban Bloom is a web app that helps urban residents manage plant care by offering personalized tips, reminders, and a supportive plant-loving community.
- It makes plant care easy and consistent for busy people, helping them keep their indoor plants healthy and thrive in city environments.

Skills

Programming: Python, C++, JAVA(DSA)

Web Development: JavaScript, React, node.js, Express, MongoDB, Docker

Robotics: ROS2, MoveIt2, Gazebo, URDF

Computer Vision: OpenCV(Contour Detection, Object Tracking, Image Preprocessing, Feature Mapping)

OpenSource Contributions

HacktoberFest - 2024

JDE Robotics – Enhanced their Robotics Academy Industrial Exercises

- Pick and Place
- Palletizing

ARDUPILOT (Gazebo Plug-in Model of a Motor)

- Modeling the electromechanical properties for no thrust/aero motor.

Education

Polaris School Of technology

B.Tech CSE Ai/ML

August 2024- June 2028

I.P. Convent School

Completed Class 12 with PCM

March 2024

Achievements

- 3 X Science Place (Robotics) Winner – 2017 - 2019
- 1 X Google Build With AI - Runner-Up - 2025
- Trained Robust SVM Model - 2025

Co-curricular

- Runner-Up Doubles Badminton Zonal's (Delhi) - 2023
- 2 X Cross Country (Ajmer, Rajasthan) – 2022 & 2023
- 3 X Art Master (Pragati Maidan, Delhi) – 2013 - 2015
- 1 X Declamation (Delhi Zonals) - 2019