Adarsh Pandey

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SUMMARY

Engineering student passionate about robotics and autonomous systems, with experience in team projects and developing innovative solutions. Always eager to learn and contribute effectively.

TECHNICAL SKILLS

Languages: Python, C++, Java (Basic), JavaScript
Frameworks & Tools: ROS, Next.js, Node.js, Express, React, PyTorch, OpenCV, Git
Databases: MySQL, MongoDB
Other Skills: Machine Learning, Computer Vision, Web Development

EXPERIENCE

Autonomous Head   2023 – Current
VCET Solecthon   *Mumbai, India*
  − Developed Solar-Electric Autonomous Vehicles and participated in multiple competitions.
  − Spearheaded localization initiatives for precise positioning using ROS (Robot Operating System).
  − Gained hands-on experience with localization, path planning, and control systems of robots.
  − Contributed to the development of VCET-Solecthon's website, resolving bugs and optimizing the code.

Intern   July 2023 – September 2023
Neotix Labs   *Mumbai, India*
  − Created interactive and visually appealing charts using Chart.js integrated with Next.js and Tailwind CSS.
  − Customized and optimized various chart types (e.g., bar, line, and pie charts) for seamless user experience.
  − Integrated Editor for better customization.

Intern   December 2023 – January 2024
YPP Technology   *Mumbai, India*
  − Developed an internship form for the company's website.
  − Implemented a Gmail notification system for seamless communication.

PROJECTS

Smart Invoice Management System for MSMEs
  − Automated GST filing and optimized inventory management to reduce manual efforts.
  − Implemented AI-based analytics for generating actionable insights and enhancing efficiency.
  − Presented the project at the university level, showcasing its impact on streamlining MSME operations.

MJ App: A Gold Loan Tracking Application for Milan Jewelers
  − Built using React Native and Expo, with SQLite for backend storage.
  − Integrated features like Gmail reminders, PDF invoice creation, and SMS texting for enhanced functionality.
  − Enabled data backup in Excel format for secure record-keeping and easy access.

Tic-Tac-Toe (AI)
  − Implemented player vs player and player vs computer modes AI difficulty levels using Minimax algorithm.
  − Added features such as undo/redo , music, and a GUI using Java Swing.

ACHIEVEMENTS

Runner-up at Atharva College Project Competition.

Selected at university level in Mumbai University Avishkar.

Won ESVC (2023) with Team Solecthon.

EDUCATION

Vidyavardhini College of Engineering, Vasai, Mumbai   *2022 – Present*
Bachelor of Engineering (B.E.)   *CGPA –8.2*
Vartak College, Vasai, Mumbai   *2020 – 2022*
HSC   Percentage: 81.17%