Shourya Deep

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Education

Vellore Institute of Technology   *Chennai, India*
B.Tech in CSE (AI & Robotics)   *Aug 2023 – May 2027*

Skill Summery

Programming Languages: Python, Java, C/C++, JavaScript, SQL
Web & Application Development: HTML/CSS, React.js, Node.js, API Integration
Databases: SQL/MySQL
Systems & Domains: Data Structures & Algorithms, Object-Oriented Programming (OOP), Computer Networks, Operating Systems, Software Development Lifecycle (SDLC), Software Testing
Robotics & Embedded Systems: ROS 2, Embedded Systems Programming, Sensor Integration, Robotics Simulation (Gazebo, RViz)
Tools & Platforms: Git, GitHub, Docker, VS Code, Postman, Windows, Linux
Soft Skills: Problem Solving, Debugging, Team Collaboration, Communication

Work Experience

Programming Team Lead – Team Technocrats Robotics   *Apr 2024 – Present*

Spearheaded autonomous robotics systems in Python & C++, engineering real-time testing and monitoring for reliability, orchestrating sensor-actuator integration with optimized data pipelines, and directing agile workflows, version control, while mentoring juniors.

Projects

CyberSecurityVault – Full-Stack Password Manager

Agent9777/CyberSecureVault
Built a secure password manager with React.js, Node.js, and MySQL, featuring encrypted storage, authentication APIs, and a responsive user-friendly interface.

Syncwatchy – Real-Time Media Sync Platform

Agent9777/video-sync-project
Developed a synced video-watch platform with React.js and Node.js, implementing robust session handling and authentication for seamless multi-user playback.

YouTube Video Downloader – Python Automation Tool
Agent9777/YT_VideoDownloader
Developed a Python tool to download YouTube videos by title, automating retrieval and media handling for seamless, ad-free one-click downloads.

Smart Delivery Robot (In Progress)
Building an autonomous robot with real-time mapping, localization, and navigation using ROS2, LiDAR, and SLAM, integrating sensors with robust control logic for obstacle avoidance and delivery tasks.

AI Meeting Summarizer (In Progress)
Developing an AI assistant that converts audio/text transcripts into concise summaries, action items, and key insights to boost collaboration and productivity.