

# Shourya Deep

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## Education

Vellore Institute of Technology  
B.Tech in CSE (AI & Robotics)

Chennai, India  
Aug 2023 – May 2027

## Skill Summary

**Programming:** Python, Java, C/C++, JavaScript, Shell Scripting  
**Web & Application Development:** HTML/CSS, React.js, Node.js, API Integration, Responsive Web Design  
**Databases:** SQL/MySQL, MongoDB (NoSQL), Data Warehousing & ETL Basics  
**Systems & Domains:** DSA, OOP, Design Patterns, Multithreading & Concurrency Basics, Networks and Security, Operating Systems, Software Development Lifecycle (SDLC), Agile & Scrum Methodologies, Software Testing  
**Robotics & Embedded Systems:** ROS 2, Embedded Systems Programming, Sensor Integration, Robotics Simulation (Gazebo, RViz)  
**DevOps, Cloud & Security:** Git, GitHub, Docker, Linux, Windows, Secure Coding Practices, Cloud Platforms, Kubernetes  
**Tools & Platforms:** Visual Studio, Postman, JUnit, PyTest, Selenium, Debugging & Performance Tuning  
**Soft Skills:** Problem Solving, Debugging, Team Collaboration, Communication, Adaptability, Leadership

## 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

<b>CyberSecurityVault – Full-Stack Password Manager</b> <a href="#">Agent9777/CyberSecureVault</a> Built a secure password manager with React.js, Node.js, and MySQL, featuring encrypted storage, authentication APIs, and a responsive user-friendly interface.	<b>Syncwatchy – Real-Time Media Sync Platform</b> <a href="#">Agent9777/video-sync-project</a> Developed a synced video-watch platform with React.js and Node.js, implementing robust session handling and authentication for seamless multi-user playback.
<b>YouTube Video Downloader – Python Automation Tool</b> <a href="#">Agent9777/YT_VideoDownloader</a> Developed a Python tool to download YouTube videos by title, automating retrieval and media handling for seamless, ad-free one-click downloads.	<b>Smart Delivery Robot (In Progress)</b> 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.
<b>AI Meeting Summarizer (In Progress)</b> Developing an AI assistant that converts audio/text transcripts into concise summaries, action items, and key insights to boost collaboration and productivity.	