DIVYE PRAKASH

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SUMMARY

AI and IoT enthusiast with a strong foundation in machine learning, embedded systems, and web development. Passionate about building innovative solutions in healthcare and automation. Experienced in leading technical projects, developing intelligent systems, and integrating hardware with software. Skilled in Python, Java, Arduino, and Raspberry Pi, with a deep interest in space tech, robotics, and automation.

EDUCATION

Vellore Institute of Technology, AP, India   September 2024 - Present
Bachelor's degree in Computer Science with specialization in AI and ML
Clubs: Research team member at SEDS VIT AP, Technical team member at Dragon Fist
St. Xavier's School, Doranda   May 2022 - March 2024
Intermediate in Physics, Chemistry, and Maths (ISC) — Grade: 80.0%
SJDAV Public School, Chaibasa   April 2012 - March 2022
Secondary school (CBSE Class 10) — Grade: 91.2%

EXPERIENCE

Auroral Labs   January 2025 - Present
Co-Founder
- Leading a team of 8 in developing an IoT healthcare project for humans and pets.
- Developing an LLM model for tracking vitals and emergency systems.
- Implementing mesh networking for real-time data transfer.
Hackshstra   February 2025 - Present
UI/UX Developer
- Improved and expanded project platforms using JavaScript to develop rich user interfaces.
- Designed custom UI components using Figma for an enhanced user experience.

PROJECTS

Face Detection
- Developed a face detection login system using a CNN model.
Sugar Rocket
- Designed and tested a sugar rocket from scratch, conducting over 100 test launches.
- Worked on solid propellant optimization and trajectory analysis.
- Developed an automated parachute deployment system using a microcontroller.
ADAS Prototype
- Created an Advanced Driver Assistance System using ultrasonic sensors.
- Presented at Plaksha University's Grand Exhibition 2023.
Chatbot
- Developed a prompt generation bot by integrating Google Gemini and ChatGPT APIs.
SUPRA SAE IoT Team Lead 2026
- Leading the IoT team for the SUPRA SAE project at VIT AP.
- Overseeing the integration of IoT solutions into automotive systems for performance and safety.
- Implementing telemetry systems for real-time car diagnostics.
Aurora Project
- Co-leading the development of Aurora, an IoT-powered health monitoring system.
- Implementing real-time data analytics to monitor vitals and send emergency alerts.
- Developing embedded firmware for seamless communication between sensors and cloud servers.

TECHNICAL SKILLS

Programming: Python (5-star HackerRank), Java (5-star HackerRank)
Embedded Systems: Arduino, Raspberry Pi, NodeMCU, ESP32, IoT Sensors
Machine Learning: OpenCV, CNNs
Web Development: MongoDB, HTML, CSS
UI/UX: Figma, Prototyping
Hardware Prototyping: Circuit Designing, PCB Design, Sensor Integration

LANGUAGES

Hindi, English, Spanish