Harish Sonwale

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MGM University - School Of Engineering And Technology **Education**

Computer Science and Engineering (loT, Cyber Security Including Blockchain Technology)

2022 - 2026 B.Tech

Projects

AI-Powered Investing & Trading - Fin Stock (GDG)

- GitHub Link
- Real-time Trading Insights enhanced by AI for trade opportunities, technical indicators (RSI, MACD), and manipulation alerts.
- AI-Powered Chat provides stock information, while another AI Portfolio Analysis feature analyzes user portfolios and offers suggestions.
- Beginner traders get simple explanations and smart risk management notifications.
- Technologies: Dart, Flutter, LLM, Gemini AI, Trading View API, Google IDX.

Smart Irrigation System for Precision Farming

- GitHub Link
- Developed an IoT/AI system optimizing water usage by 40% and reducing manual effort by 60% through real-time monitoring and predictive analysis.
- Android App, Cloud for control and 99.9% uptime, supporting farms up to 100 acres.
- Technologies: IoT, AI, Raspberry Pi, Android, Firebase.

Telematics App - Smart Vehicle Data Acquisition (Endurance Hackathon 2025 Project)

- GitHub Link
- Using OBD-II to deliver real-time vehicle insights and Al-powered features including: intelligent vehicle health diagnostics, personalized driving pattern analysis, proactive maintenance predictions, and AI-suggested optimal routes.
- Features live tracking, fuel monitoring, secure Firebase cloud integration, and a clean user interface. Technologies: Flutter, Dart, Firebase, OBD-II, IoT, Cloud Storage.

AI-Powered Legal Information System (Law-Specter):

- Developed an LLM-based application that increased FIR filing accuracy by 30% and reduced processing time by 20%.
- Features 95% accurate legal query analysis, precise legal references, multilingual input (text & speech), and real-time case law updates.
- Technologies: Ollama, Chroma DB, LLM, ML, AI.

Skills

Languages

C, C++, HTML, CSS, Python, Solidity

Cloud &DevOps

AWS, Firebase, Git, GitHub

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Soft Skills:

Problem-Solving, Critical Thinking, Project Management, Communication, Teamwork

Volunteering

Web Development Contest

Organiser

October 2024 MGMU SOFT

Experience

Codesoft

Intern

June 2024 - July 2024

Oct 2024 - Nov 2024

CODTECH IT SOLUTIONS

Intern

M20 CHAIN 🦛

March 2022 - Present Dubai

Independent Business Influencer

Awards

• Endurance'25 Hackathon:

Certificate of Recognition 3rd Price.

• Cloud Computing With AWS.

BTA Certified Developer on Polkadot With Substrate

Blockchain Training Alliance

Attendance Hashgraph Developer

The Hashgraph Association

- ANVESHAN Certificate of Participation MGMU
- IDE Certificate of Appreciation MGMU

IIT Madras (Cyber Security And Privacy)

NPTEL