Shubhankar Vyas

Gwalior, Madhya Pradesh

shubhankarvyas02@google.com +91-9479313600 github.com/Profile linkedin.com/Profile

About Me

Pre-final year B.Tech student in Internet of Things at MITS Gwalior, passionate about full-stack development, embedded systems, and AI-driven IoT solutions. Skilled in building smart systems by integrating sensors, developing scalable web applications using modern frameworks, and applying machine learning and data analytics to derive actionable insights and optimize system performance.

Education

Madhav Institute of Technology and Science (MITS), Gwalior *2022 – Present*
B.Tech – Internet of Things CGPA: 7.7 / 10

Sanskar Public School, Gwalior *2022*
Class XII (CBSE) Percentage: 73.5%

Kendriya Vidyalaya No.1, Gwalior *2020*
Class X (CBSE) Percentage: 88.8%

Technical Skills

Languages: Python, JavaScript, Java, C++

Frameworks/Tools: React.js, Node.js, Express.js, Firebase, Supabase, n8n

Platforms: Google Cloud Platform, Vercel, Git, Arduino IDE, Node-RED

Other: IoT, Data Analysis, REST APIs, Agile Development, Team Collaboration

Projects

AI-Powered Financial Assistant Web App *React, Node.js, Firebase*

- Developed a full-stack financial dashboard that provides real-time stock data, market news, and visualizations.
- Integrated Google Gemini AI for investment advice and education.
- Deployed on Vercel; Firebase used for authentication and database storage.

Solar and Load Forecasting Using CNN-LSTM *Python, TensorFlow*

- Built a hybrid CNN-LSTM model for accurate time-series forecasting of solar energy and load patterns.
- Used synthetic datasets; results visualized to demonstrate model performance.

Debt Collection Voice Assistant *Supabase, Google Sheets, n8n*

- Developed a tool that fetches data from Google Sheets and stores it in Supabase, enabling automated follow-ups and report generation for debt collection.

IoT-Based Smart HVAC Control System *ESP32, Node-RED, C++*

- Designed an ESP32-based temperature-regulated HVAC system with DHT sensors.
- Developed automation logic in C++ with cloud-based control using Node-RED.

Certifications

Introduction to Generative AI – Google Cloud

Google Data Analytics – Coursera (Foundations)

Hackathon Finalist – Hacksagon (ABV IIITM, 2025)

Presented paper at ISCMCTR 2025 on AI-driven IoT Systems