

SHUBHANKAR VYAS

Gwalior, Madhya Pradesh

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About Me

I am a B.Tech student specializing in IoT, with strong knowledge in full-stack development, Artificial Intelligence (AI), and Machine Learning (ML). I am passionate about leveraging cutting-edge technologies to build intelligent systems and solutions that drive efficiency and innovation. With hands-on experience in data analysis, IoT systems, and web development, I focus on creating impactful, scalable projects that integrate AI and IoT seamlessly.

EDUCATION

- | | |
|--|-------------------------|
| • Madhav Institute of Technology & Science, Gwalior | 2022 – 2026 |
| B.Tech - (EE)Internet Of Things | Gwalior, Madhya Pradesh |
| | SGPA: 8.75/10 |
| | CGPA: 7.7/10 |
| • Sanskar public School, Gwalior | |
| Completed 12th | Gwalior, Madhya Pradesh |
| Completed 10th | Gwalior, Madhya Pradesh |
| | Percentage: 73.5% |
| | Percentage: 88.8% |

Coursework / Skills

- | | |
|--------------------|------------------|
| • Data Analysis | • IOT |
| • Machine Learning | • AI/ML Modeling |
| • Algorithms | • Full-Stack Dev |

PROJECTS

IoT-Based Smart HVAC Control System [↗](#) | ESP32, Node-RED, C++

- Built a smart HVAC system using ESP32 and temperature/humidity sensors.
- Coded control logic in C++ for automated climate regulation.
- Used Node-RED for real-time monitoring and control.

Solar Generation and Load Forecasting using CNN-LSTM [↗](#) | Python, TensorFlow, Keras

- Designed a hybrid CNN-LSTM model for time series forecasting.
- Trained on synthetic solar and load data for accurate predictions.
- Plotted results to visualize forecasting performance.

AI-Powered Financial Assistant- Web App [↗](#) | React, Node.js, Express.js, Firebase

- Created a financial assistant with live stock data, news, and graphs.
- Integrated Gemini-powered chatbot for personalized investment guidance and educational content.
- Deployed on Vercel with Firebase for auth and storage.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript

Engineering Tools: Arduino IDE, Raspberry Pi

Social Skills: Good Communication skills, Team building,

Certifications

Introduction to Generative AI Learning Path - Google

Google Data Analytics(Foundations) – Coursera