

Aishwarya Suryawanshi

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Education

Government college of engineering and Research Avasari Pune <i>Bachelor of Engineering In Electronics and Telecommunication-7.7</i>	<i>Oct2022– May2026</i>
Sri Sant Namdev Maharaj Vidyalay Kandhar <i>HSC-87</i>	<i>June2019– May2021</i>
Sri Sharad Pawar Highschool Chitali <i>SSC-89</i>	<i>May2019</i>

Career Objective

Driven by a passion for AI/ML and electronics, I aim to develop innovative solutions bridging technology and real-world applications. I am eager to apply my skills, tackle challenges, and push the boundaries of intelligent systems.

Technical Skills

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- **Programming Languages:** Python, C++, MATLAB
 - **Developer Tools:** Google Cloud (Vertex AI, Gemini AI, AutoML) ,VS Code, Jupyter Notebook , Arduino IDE
 - **AI/ML Frameworks & Libraries:** TensorFlow ,PyTorch ,Hugging Face ,Scikit-learn , Kaggle
 - **Data Science & Analytics:** Pandas, NumPy , Generative AI, Predictive Analysis
 - **Embedded Systems:** Arduino, Microcontroller (ESP32),Sensor Integration ,I2C/SPI Communication

Projects

Heart Disease Prediction Using AI & Machine Learning

- Developed an AI-driven predictive model for heart disease analysis using medical datasets.
- Implemented data preprocessing techniques, including handling missing values and feature scaling, to improve model accuracy.
- Leveraged machine learning algorithms in Python (Pandas, Scikit-Learn) to analyze patient health metrics.

Smart Earthing Health Monitoring System : *Python, Pandas, Numpy, Arduino IDE, ESP32*

- Developed a system to monitor the healthiness of earthing systems by analyzing resistivity, moisture, and temperature data.
- Implemented alert systems to notify in case of malfunctions, combining AI with sensor data analysis.

Carbon Capture and Hydrogen Generation System

- Designed a process for efficient CO capture, transformation into formate, and hydrogen generation using advanced engineering techniques.
- Published a paper, "**Carbon Dioxide Reduction and Utilization Technique,**" at a national conference sponsored by **AICTE**.

Experience

GMRT Summer School Program (Sept-2024)

- Trainee, Hands-on training in radio astronomy instrumentation, RF systems, and big data processing. September 2024

Team Astrophile (July2023-Oct2024)

- Technical Team Member, Designed and tested telemetry and control system circuits for a model rocket.

Certifications

- **IBM:** Artificial Intelligence (Nov 2024)
- **Microsoft:** Generative AI
- **GUVI IITM:** Learnathon – Generative AI and AI
- **MindLuster:** Embedded Systems
- **AICTE:** Research Paper – AICTE National Conference
- **GMRT:** Summer School – GMRT (ENGINEROMY Program)
- **GUVI IITM:** Python

Extracurricular Activities

Competitions:

Dipex 2024

Avishkar Competition

Learnathon

E-yantra (IIT Bombay)

Ignited Innovators of India

Online Profiles

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LinkedIn: (29) Aishwarya Suryawanshi — LinkedIn [🔗](#)

Kaggle: AA!SHAA1585 — Novice — Kaggle [🔗](#)

Google Cloud: https://www.cloudskillsboost.google/public_profiles/7a3bd204-da66-4c13-a542-b3f279eef0f3 [🔗](#)