Amar Pandey

Nashik, Maharashtra, India amarpandey4646@gmail.com +91-9616928888 in/LinkedIn Portfolio

SUMMARY

Highlymotivated and detail-oriented Computer Science student with a strong foundation in Python, development & in Data Science fields seeking to leverage my skills in a real world setting. Eager to contribute to a collaborative, industry environment and expand my knowledge. Demonstrated ability to build end-to-end solutions through my Freelance work and project development. Proven collaborator with experience in high-pressure environments and commitment to continuous learning.

TECHNICAL SKILLS

- Linux, PythonProgramming ,Web Development , My SQL, JavaScript, HTML, CSS
- Full-stack web application development ,Git, GitHub, AWS (Basic),Command line proficiency, ● Data Analytic , Python, Business Analytics,Docker(Basic)
- Microsoft Power BI , Data Visualization , Generative AI , Digital Marketing ,Data Science, Drive, Word/Excel .

SOFT SKILLS

- Analytical Skills,Presentation Skills , Critical Thinking ,Communication , Teamwork

- Organization Skills , Data Interpretation , Business Insight , Market research, consulting

PROJECT

Smart HVAC Predictive Model IOT, AIML & Python:

- Built end-to-end predictive system optimizing HVAC energy efficiency using machine learning
- Developed a smart HVAC predictive model that utilizes machine learning to optimize heating, ventilation, and air conditioning systems for energy efficiency according to the Weather.
- The model converse and predict energy consumption and maintenance needs based on real-time data, improving system efficiency and reducing operational costs.
- The solution integrates sensor data with predictive algorithms, offering proactive adjustments to environmental controls and minimizing energy waste.
- Played a key role in designing the data architecture, feature engineering, and fine-tuning the model to enhance its accuracy.
- The project demonstrated a 83% accuracy in prediction during the Hackathon.

- **Tech Stack:**Python, ARIMA, TensorFlow, Pandas, Scikit-learn, IoT Sensors

Comprehensive Data Analysis of COVID-19 Impact in Italy:

- Conducted an in-depth data analysis to assess the impact of COVID-19 on Italy's population.
- Leveraged statistical methods and data visualization tools to examine infection rates, mortality rates, and recovery trends across different demographics and regions.
- Played a key role in analyzing government response measures, including the effectiveness of lockdowns and other containment strategies.
- The analysis uncovered significant regional disparities in healthcare capacity and revealed demographic factors influencing infection spread and recovery rates.
- Findings were critical in highlighting the importance of targeted healthcare interventions.

- **Tech stack:**Python, Pandas, Matplotlib, Seaborn, Excel

PersonalPortfolioWebsite | WebDevelopment

- Developed a responsive portfolio website for showcasing my projects and technical skills Implemented modern web technologies for optimal user experience and added things like Schedule a call features etc.
- Deployed using Vercel platform demonstrating cloud deployment knowledge and version control.
- **Tech stack: HTML, CSS, React, TypeScript, vite, Vercel, Git**

EDUCATION

Bachelor of Technology(B.Tech), Computer Science and Engineering

SandipUniversity • Nashik • Aug2022 - July2026

•Relevant Coursework : SoftwareEngineering, Data Structures and Algorithms, Internet & Web Programming, Computer Graphics, Database System Management, My SQL, Java, Python Programming, Object Oriented Programming in Java.

Intermediate Diploma(Physics , Chemistry, Maths)

Ayodhya Academy • Ayodhya • Jan 2020 - Dec 2022

High School Diploma

AyodhyaAcademy • Ayodhya • Jan2018 - Dec2020

LANGUAGES

- **English : Fluent Professional**
- **Hindi : Native speaker**
- **Japanese : Basic**

AWARDS & HONORS

SUNHACK_2k24 International Hackathon - Finalist

- Competed in AI &MLtrack among internationalteams in 48-hour intensive competition
- Demonstrated problem-solving skills under pressure while building real-world solutions
- Showcased collaborative leadership in cross-functional team environment.
- Exhibited commitment to tech community through active participation in competitive programming