Amar Pandey

Nashik, Maharashtra, India

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SUMMARY

Highly motivated 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

- **Python Programming ,Web Development , My SQL, JavaScript, HTML, CSS**

- **Full-stack web application development ,Git, GitHub, AWS (Basic),Command line proficiency,**

- **Data Analytic , Python Programming , Business Analytics,Docker(Basic)**

- **Microsoft Power BI , Data Visualization , Generative AI , Digital Marketing ,Data Science.**

SOFT SKILLS

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

- **Organization Skills , Data Interpretation , Business Insight**

PROJECTS

- **Smart HVAC Predictive Model |IOT,AIML & Python**   **April 25 2024 – April 27 2024**

Built end-to-end predictive system optimizing HVAC energy efficiency using machine learning

Summary: 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 | Python & Data Analytics**   **-May 2024**

Summary: 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

- **Personal Portfolio Website | Web Development**

Summary: Developed a responsive portfolio website for showcasing my projects and technical skills Implemented modern web technologies for optimal user experienceand 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, Vercel, Git

EDUCATION

Sandip University, Nashik   **Aug 2022 - July 2026**
Bachelor of Technology(B.Tech), Computer Science and Engineering

- **Relevant Coursework :** Software Engineering, Data Structures and Algorithms, Internet & Web Programming, Computer Graphics, Database System Management , My SQL , java ,Python Programming, object oriented Programming in java

Ayodhya Academy, Ayodhya
Intermediate Diploma(**Physics ,
Chemistery,Maths**)   **Jan 2020 - Dec 2022**

Ayodhya Academy, Ayodhya
High School Diploma   **Jan 2018 - Dec 2020**

Languages

- **English : ★★★★☆ – Fluent Professional**
- **HIndi : ★★★★★ – Native speaker**
- **Japanese : ★☆☆☆☆ – Basic (demonstrating commitment to Japan career path)**

Achievements

- **</> ▢ SUNHACK_2k24 International Hackathon - Finalist**

Competed in AI & ML track among international teams 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