

VIJAY TAKBHATE

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INTERNSHIPS + COURSES

Cei Design Consultancy Pvt. Ltd.

5 Aug 2024

Python Developer

Remote, Maharashtra

- Worked as a Python development intern. [Invitation](#)
- As a Python developer, specialized in data processing by utilizing Python and Excel for data tasks and OpenCV for image processing.
- **Skills Utilized:** Python, Team Collaboration, Git, Data Processing

Ujucode

1 Aug 2023 – 30 Sept 2023

Subject Matter Expert

Remote, Maharashtra

- Contributed as a Python developer for a ChatBot project. [Certificate](#)
- Handled backend development tasks while concurrently researching Python modules. [Research Paper](#)
- **Skills Utilized:** Python, Team Collaboration, Git

MLOps Bootcamp: Mastering AI Operations for Success - AIOps

Jun 2024

Udemy Course

Remote, Maharashtra

- Acquired comprehensive knowledge of the Machine Learning Operations (MLOps) lifecycle.
- Enhanced expertise in modular programming within a development environment. [Project Link](#)
- **Skills Acquired:** Git Commands, Python, Flask, Machine Learning, MLflow

PROJECTS

Hand Gesture Recognition Using MediaPipe and Custom CNN Model

Deep Learning

- Leveraged Google's MediaPipe framework to detect hand landmarks and gestures.
- Collected and labeled custom dataset of hand gestures for training purposes.
- Developed a Streamlit application to enhance accessibility and flexibility for end-users.

Loan Eligibility Prediction

Modular Programming

- Developed a Python package that evaluates an individual's loan eligibility based on personal data, utilizing source distribution for model packaging.
- Referenced the **Python Packaging User Guide** during the project's development.

Machine Maintenance Prediction

Web Development

- Developed a web application to predict industrial machine failures, allowing users to input machine data and forecast potential failures for single or multiple machines.
- Conducted data preprocessing and model development in Jupyter Notebook and implemented a user-friendly interface using Streamlit.

Auto Machine Learning Model Generation

Machine Learning + Web Development

- Created an application that automates ML model creation and internal data preprocessing, enabling users to download the trained model along with processed data in just 10 seconds.
- **Target Users:** Small businesses, ML developers.

Youth Tobacco and Smokers of India

Data Analysis

- Designed a PowerBI dashboard to analyze state-wise tobacco consumption across India.
- This project enhanced my analytical skills and earned me a gold medal on Kaggle for the quality of the analysis.

TECHNICAL SKILLS

Languages: Excel, SQL, Python, HTML, CSS

Technologies: Machine Learning, Deep Learning, ML Ops, mlflow, Streamlit, Deployment, PowerBI, Flask, Jupyter Notebook, VS Code, GitHub

Proficiency: Machine Learning Operations, Image Processing, Neural Networks, GitHub commands, Deployment processes

ACHIEVEMENTS

Kaggle: Recognized as a Notebook Expert on Kaggle with 15+ bronze medals.

CodeChef: Actively participated in more than 12 competitive events

Coding Competition: Achieved second place in a college-level programming competition

Mathematics: Earned a perfect score of 100/100 in mathematics in the final examination

Idea Presentation: Held the third position in the Ideathon competition

EDUCATION

SVERI's College Of Engineering

Graduated May 2020

Bachelor of Technology in Electronics and Telecommunication (CGPA: 9.73 / 10.00) Pandharpur, Maharashtra

- **Relevant Coursework:** Developed a professional and industry-ready persona through focused training, securing a commendable score of 81.71 marks.

SVERI's College Of Engineering

Graduated May 2021

Diploma in Electronics and Telecommunication (Marks: 91.73 / 100) Pandharpur, Maharashtra

- **Relevant Coursework:** Acquired hands-on experience with hardware technologies and delved into C programming, consistently achieving a score of 91.73.

BLOGGING

Walk through data

The Significance of Data

- Elucidated core data principles and their significance, emphasizing the impact on sectors such as healthcare, education, and agriculture.

AI Foundation

AI Fundamentals and Use Cases

- Discussed AI's influence on the job market, clarified foundational AI concepts, and outlined its practical applications in everyday life.
- Raised awareness about AI technology and contributed to enhancing the efficiency of professional workflows.

LANGUAGES

English

Marathi

Hindi

SOFT SKILLS

Critical Thinking

Intellectual Rigor

Problem Solving

Understanding Business Needs