

VIJAY TAKBHATE

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INTERNSHIPS + COURSES

Ujucode

1 Aug 2023 – 30 Sept 2023

Subject matter expert

Remote, Maharashtra

- Served as a Python developer for a ChatBot project. [Certificate](#)
- Conducted backend development while simultaneously researching Python modules. [Research paper](#)
- **Used skills:** Python, Team work, Git

MLOps Bootcamp: Mastering AI Operations for Success - AIOps

Jun 2024

Udemy Course

Remote, Maharashtra

- learnt complete Machine Learning Operations life cycle.
- Enhanced my skills in modular programming within a development environment. [Project link](#)
- **Learnt skills:** Git commands, Python, Machine Learning, mlflow, DevOps, CICD

PROJECTS

[Loan Eligibility Prediction](#) | *Python, Machine Learning, Git, Modular programming*

Modular Programming

- Created a Python package that uses personal data to estimate a person's loan eligibility. Utilized source distribution in the model packaging
- Consulted the **Python Packaging User Guide** while creating this project.

[Pneumonia Detection](#) | *Python, CNN, Image Processing*

Deep Learning + Web Development

- Developed a CNN classifier model to identify viral pneumonia, bacterial pneumonia, or a healthy condition using X-ray images as input.
- Collaborated with doctors to identify model requirements and developed a user-friendly application tailored for them as the end users.
- **Future scope:** Integrate the model with X-ray machines to provide instant results.

[Machine Maintenance Center](#) | *Python, Machine Learning, Jupyter notebook, Streamlit*

Web Development

- Web app to predict industrial machine failures, allowing users to input machine data and forecast potential failures for single or multiple machines.
- Performed preprocessing and model development in Jupyter Notebook, and created a Streamlit application with a user-friendly interface.

[ML Builder](#) | *Python, Machine Learning, HTML, CSS, Bootstrap, Flask*

Machine Learning + Web Development

- This application creates ML models and handles all data preprocessing internally, allowing users to download the trained model with processed data in 10 seconds.
- **End users:** Small businesses, ML Developers

[Youth Tobacco and Smokers of INDIA](#) | *PowerBI, Data Analysis, Kaggle notebook*

Data Analysis

- Developed a PowerBI dashboard to analyze state-wise tobacco consumption in India.
- This project improved my analytical abilities and resulted in a gold medal on Kaggle for my analysis.

TECHNICAL SKILLS

Languages: Python, SQL, C++, 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, Artificial Intelligence, GitHub commands, Deployment processes

ACHIEVEMENTS

Kaggle: Notebook Expert at Kaggle

Kaggle: Achieved 15 gold medals for outstanding contributions to notebooks

CodeChef: Solved over 150 problems

CodeChef: Participated in more than 12 competitions.

Coding Competition: Secured second place in programming at the college competition.

College: Attained a perfect score of 100/100 in mathematics on the final exam.

College: Honored for outstanding idea presentation in the Ideathon competition.

EDUCATION

SVERI's College Of Engineering

Graduated May 2024

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

Pandharpur, Maharashtra

- **Relevant Coursework:** Cultivated a professional and industry-suitable personality through targeted development, achieving an impressive 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:** Gained practical knowledge of hardware technologies and Explored C programming language by maintaining marks 91.73

BLOGGING

Walk through data

Importance of data

- Described fundamental data concepts and their importance, highlighting how sectors like medical, education, and farming are impacted.

AI Foundation

AI fundamentals and Use case

- Highlighted AI's impact on the job sector, explained AI fundamentals, and detailed its daily applications
- It creates awareness about AI technology and helps to improve work efficiency of people

LANGUAGES

English: Full professional Proficiency

Marathi: Full professional Proficiency

Hindi: Professional Proficiency

HOBBIES

Fitness: Weight lifting and Body weight training

Blogging: Technical blogs

Watching movies: Hollywood

Listening to podcasts

SOFT SKILLS

Effective Communication

Critical Thinking

Problem Solving

Understanding Business Needs