

Tejas Badhe

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Summery

Software developer professional skilled in C/C++, Python, and Node.js, with expertise in web development using React, CSS, and HTML. Experienced in machine learning using TensorFlow, Pandas, and OpenCV, and proficient in AWS deployment, Git version control, and RESTful APIs. Aiming for a dynamic role where technical proficiency, problem-solving, and collaboration contribute to innovative projects and organizational success.

EDUCATION

Savitribai Phule Pune University

Bachelor of Technology in Computer Engineering CGPA: 9.22

Pune, India

2019 – 2022

Government Polytechnic Awsari (Kh.)

Diploma in Computer Engineering GPA: 64

Pune, India

2017 – 2019

EXPERIENCE

Software Developer

Anyu Biomedical LLP

Oct 2023 – Present

Pune, India

- Designed and implemented responsive user interfaces using **HTML** and **CSS**.
- Leveraged **Python** and **Flask** to seamlessly integrate **RESTful APIs**, ensuring smooth communication between the front-end and back-end systems.
- Implemented different charts for user understanding using **Chartjs** library.
- Utilized **MySQL** for database management, optimizing data storage and retrieval processes within the application.
- Data preprocessing efforts, ensuring data quality through cleaning, normalization, and feature engineering.
- Developed **forecasting** and **predictive** models to analyze and predict trends, contributing to data-driven decision-making.
- TensorFlow** and **Keras** for implementing machine learning task, **Matplotlib** and **Seaborn** for data visualization.

Software Engineer

SCI-COM Software India Pvt. Ltd.

May 2023 – Sep 2023

Pune, India

- Conducted in-depth data analysis using **Pandas** and **NumPy**, experimenting with diverse datasets to extract valuable insights.
- Developed end-to-end machine learning platforms with **Python** and **TensorFlow**, encompassing data preparation, prototype development, and model deployment.
- Applied advanced data visualization techniques using **Matplotlib** and **Seaborn** to convey model performance and results effectively.
- Proficient in optimizing machine learning models with **TensorFlow**, staying abreast of industry advancements for continuous improvement.

Software Developer Intern

Anyu Biomedical LLP

Oct 2022 – April 2023

Pune, India

- Conducted in-depth analysis of time series data using advanced statistical methods and visualization tools such as **Matplotlib** and **Seaborn**.
- Engineered image data from time series data using **OpenCV (CV2)** for machine learning applications.
- Developed and implemented predictive machine learning models with **TensorFlow** and **Keras** algorithms, utilizing **Python** for precise **file handling** operations to achieve optimal results
- Played a key role in the end-to-end **machine learning** process, from data preprocessing and feature engineering to model training, validation, and deployment.

PROJECTS

Personal Portfolio Website / React, HTML, CSS, Git, AWS, GitHub Actions

(<https://www.tejasbadheportfolio.com>)

Website

- Developed dynamic personal portfolio website with **React**, **CSS**, and **HTML**.
- Hosted on Google Domains using **AWS S3** and **CloudFront Distribution** for optimized performance.
- Implemented a streamlined **CI/CD pipeline** via **GitHub Actions** for automated deployments.

Responsive Web Designs / *HTML, CSS, Git*

GitHub

(<https://github.com/TejasBadhe07/Responsive-Web-Design>)

- Executed a project focused on responsive **web design**, emphasizing mastery of **HTML** and **CSS** fundamentals.
- Developed user-friendly and visually appealing designs that seamlessly adapt to various screen sizes and devices.
- Utilized **Git** for **version control**, fostering efficient collaboration and maintaining a systematic approach to project development and updates.

Handwritten Digit Recognizer / *Python, Pandas, NumPy, TensorFlow, Matplotlib, Seaborn*

GitHub

(<https://github.com/TejasBadhe07/Handwritten-Digit-Recognition>)

- Created a Handwritten Digit Recognizer in **Python**, using **Pandas**, **NumPy**, and **TensorFlow** with the **MNIST** dataset.
- Developed a step-by-step **Jupyter** notebook explaining **data preparation**, model building, and evaluation processes.

TECHNICAL SKILLS

Programming Languages: Python, C++, Node.js

Web Development: HTML, React, CSS, Flask, Chart.js

IDEs: PyCharm, VS Code, Google Colab, Jupyter Notebook, Anaconda Navigator

Tools: TensorFlow, Pandas, NumPy, OpenCV, PyInstaller, Matplotlib, Seaborn

Database: MySQL, MongoDB

Technologies: Machine Learning, RNN, CNN, Git, ChatGPT, RESTful APIs

Coursework: Data Structure and Algorithms, Computer Networks, Object Oriented Programming, Database Management, Prompt Engineering

ACHIEVEMENTS

- Secured a Rank in Project Competition for Wireless Nurse Call System
- Successfully Lead Winning State Level Team (Volleyball)