

Prathamesh Parab



Experienced Web Developer proficient in PHP, SQL, and JavaScript, with a focus on optimizing website functionality and user experience. Skilled in troubleshooting, enhancing security, and collaborating on innovative web solutions. Highly skilled in data analysis and visualization using Power BI and Python.

Contact

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Expertise

Programming Language :
Python, C++, R, PHP

Frontend Development :
HTML, CSS, JavaScript, Bootstrap

Analytics :
Microsoft Power BI, Tableau, Matplotlib

Database :
MySQL

Cloud & MLOps :
AWS, GCP, CI/CD pipelines

ML/DL :
Supervised, Unsupervised & Deep Learning Architectures – CNNs, RNNs, LSTMs, LLM, RAG

Education

MSc Bioinformatics | 2023
Savitribai Phule Pune University
83%

BSc Biotechnology | 2021
Savitribai Phule Pune University
63%

Certification

Clinical Data Handling and Automation Challenge
Novo Nordisk
3rd Rank Nationwide

Python and C++ Certification
Disha Institute of Computers
100%

Languages

English, Hindi & Marathi

Experience

Web Developer

Pimpri-Chinchwad University, Pune.

- Sep '24 - Present
- Responsible for maintaining and enhancing the PCU website using PHP, SQL, and JavaScript, ensuring seamless functionality, performance optimization, and an engaging user experience.
 - Design and implement innovative web solutions, debug, and resolve technical issues, and collaborate with the team to improve the website's features, security, and responsiveness.

Data Analyst Trainee

TechnoEdge Learning Services India Pvt. Ltd., Pune

- April '24 – Aug '24
- Contributed to the creation and development of course content for Data Analytics and Data Visualization courses, utilizing tools such as Power BI, Excel, Python, R, and SQL.
 - Ensured alignment of course materials with Bloom's Taxonomy and appropriate comprehension levels, drawing on prior experience in quality control and testing.

Data Science Intern

Codenera, Pune

- Sep '23 – March '23
- Created spatial features, compared ML algorithms (GBMs, Random Forests), and Hyper-parameter tuning for optimal performance.
 - Efficiently processed diverse data for accurate model training and analysis.
 - Conducted in-depth EDA (Pandas), and developed compelling visualization (Matplotlib) for clear communication with stakeholders.

Projects

Text Summarization using Natural Language Processing (NLP)

- Nov '23 – Dec '23
- Leveraged advanced NLP techniques, including NLTK, spaCy, and transformers, for efficient text summarization.
 - Fine-tuned pre-trained models, resulting in a 60% accuracy gain over baseline models.
 - Implemented streamlined data processing with Pandas and Scikit learn, and enabled easy integration via a FastAPI REST API.
- [GitHub](#)

AI-powered Potato Disease Detection with CNNs

- Oct '23 – Nov '23
- Built & deployed a Convolutional Neural Network (CNN) model from the TensorFlow library achieving 80% accuracy.
 - Optimized model training using Python, NumPy, Pandas, and Scikit-learn, enhancing efficiency and scalability.
 - Pre-processed & analyzed massive image datasets utilizing image manipulation techniques.
- [GitHub](#)