



KEY EXPERTISE

Machine Learning, Natural Language Processing, Deep Learning, Neural Networks Python C++ Java C OOPS
MATLAB

EDUCATION

MIT Academy of Engineering, Pune B.Tech. - Computer Engineering CGPA: 9.51 / 10	2022 - 2026
Chhatrapati Shivaji, Jalgaon 12 th Nashik Percentage: 91 / 100	2022
A. T. Zambre, Jalgaon 10 th Nashik Percentage: 93.40 / 100	2020

AWARDS AND SCHOLARSHIPS

- Technodium'24 Winner in Second Year
- Datathon'24 Winner in Second Year

PROFESSIONAL EXPERIENCE

Mozilla Club MITAOE Education Computer Lead	01 Jun, 2023 - Present
Key Skills: Leadership Skills Communication Presentation Teamwork Management	
-Trying to build a community of Educated Devops. Where we can inspire Students, Industrialists and Working Professionals to get hands on experience of using Github, Jenkins and Technologies like Docker etc. We are also building interest of students in cloud, automation and explaining them about Devops Cycle.	

PROJECTS

Brain Disorder Classification using EEG Reports Mentor: Prof. Rahul Adhao Team Size: 2 Key Skills: Deep Learning Tensorflow Problem Statement • Classification: Predict the type of disorder based on EEG features. • Regression: Predict a continuous variable like IQ or age. • Anomaly Detection: Identify unusual patterns in EEG data that may indicate a disorder.	18 Jun, 2024 - 31 Jul, 2024
Neural Network From Scratch in Java Mentor: Minakshi Vharkate Team Size: 2 Key Skills: Neural Network, CNN Project Link: https://github.com/KartikeySapkal/Java-CNN-Scratch In this project, I've crafted a neural network from scratch to tackle the fascinating task of MNIST digit recognition. Leveraging Java, I've meticulously designed, trained, and evaluated this network to achieve accurate classification results on the iconic MNIST dataset.	18 Mar, 2024 - 04 Apr, 2024
Email Spam Classification Mentor: - Team Size: 1 Key Skills: Hyper Parameter Tuning, Vectorisers, NLP Project Link: https://github.com/KartikeySapkal/Python-ML	03 Feb, 2023 - 12 Mar, 2024

Using Multinomial Naive Bayes and Combining Gridsearch for hyper-parameter tuning. This approach is different than traditional approaches which is proven by gaining

- precision : 0.95
- f1 score. : 0.91
- Accuracy : 0.95

In this approach I have used tfidf_vectorizer to find the important keywords and by training hyper params i'm able to eliminate stop words and anti spam protocols.

I've also deployed this model using flask and hosted this website by using cloudflare tunnel and aws instanceUsing Multinomial Naive Bayes and Combining Gridsearch for hyper-parameter tuning. This approach is different than traditional approaches which is proven by gaining -precision : 0.95 -f1 score. : 0.91 -Accuracy : 0.95 In this approach I have used tfidf_vectorizer to find the important keywords and by training hyper params i'm able to eliminate stop words and anti spam protocols. I've also deployed this model using flask and hosted this website by using cloudflare tunnel and aws instance

Skills: Machine Learning · hyper parameter tuning · Natural Language Processing (NLP)

Project Monday

01 Mar, 2023 - 12 Apr, 2023

Mentor: - | **Team Size:** 2

Key Skills: Machine Learning, NLP, Cloud, Bash Scripting, Data Science

Project Link: <https://github.com/KartikeySapkal/Python-ML>

Counselling Website which uses Machine Learning and Natural language processing in backend

For the purpose of predicting the admission chances the model used is Random Forest

And for Resume Parser and Job Recommendation I've used cosine Similarity with TFIDF vectorizer to identify keywords and convert them into vectors.

Now these converted keywords are matched with Job description which again gone through same preprocessing i.e. Vectorizer and Cosine Similarity Score

Then We have implemented one more functionality which shows current salary and their trends by using dynamic dataflow according to job title

Then all this is integrated using flask and converted into web application

And Lastly we have used cloudflare tunnel and aws to host our website

ASSESSMENTS / CERTIFICATIONS

Machine Learning Specialisation

Key Skills: Machine Learning

Dathathon Winner'24

Key Skills: Machine Learning, Data Science

Technodium Winner'24

Key Skills: Meachine Learning, Web Developement, Cloud, Bash Scripting

Cisco C++ Certified

Key Skills: C++, OOPS

Cisco Python Certified

Key Skills: Python, OOPS

EXTRA CURRICULAR ACTIVITIES

- Mozilla Club Lead

PERSONAL INTERESTS / HOBBIES

- Gen AI Experimentations, Teaching

PERSONAL DETAILS

Gender: Male
Marital Status: Single
Current Address: 107, Premsai Apartment, Alandi, Pune, Pune, Maharashtra, India - 412105
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Date of Birth: 28 Mar, 2004
Known Languages: English, Hindi, Marathi
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