NINAD EKBOTE

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https://github.com/Ninad-Ekbote

Education

University of California,San Diego|MS Machine Learning& Data Science	**September 2023 – May 2025**
Statistical NLP, Recommendation Systems, Deep learning	***San Diego***
Vishwkarma Institute of Technology | B.tech Electronics	**August 2018 – May 2022**
C, Python, Natural Language Processing, computer vision |GPA 3.98	***Pune, India***

Technical Skills

Skills: DSA, Natural Language Processing, Machine Learning, Deep Learning, OOPS
Expertise: Machine Learning, Neural Networks, NLP, BERT CNN, RNN, LSTM, GANs.
Programming: Python ,Python-NLTK ,Spacy ,PyTorch, SQL,Numpy, Pandas, GitHub, JavaScript

Work Experience

Software Engineer   **June 2022 – July 2023**
Persistent Systems, Inc   *Pune, India*

- Collaborated in the implementation of Hospital-patient interaction site, pioneered in the formulation of advanced customer account creation rules, employing Apex classes, SQL queries to optimize operational efficiency and reduce account creation time by 20% .
- Collaborated with senior Salesforce Developers to craft the client dashboards using Salesforce tools such as Flows and reports, leading to a 30% improvement in client satisfaction.

Deep Learning Intern   **June 2020 – December 2020**
Anubhooti Solutions   *Pune, India*

- Pioneered a speaker recognition systems for an audio forensic lab with an accuracy of 80% using Neural Networks, Fast Fourier Transforms.
- Enhanced forensic lab's speaker recognition with model selection, dataset curation, and ethical integration, elevating voice identification capabilities and improving the lab's speaker recognition systems' accuracy by 5% .

Key Projects and Publications

Conversion of satellite images to Google maps using GANS(Publication Link) \| August 2021 - December 2021

- Led a team of 6 members and demonstrated how Image Generative models such as CycleGAN and Pix2Pix can be used to construct Google Maps of an area from a satellite image.
- Designed a new Image Generative model similar to CycleGAN which performed 15% than CycleGAN.

Movie Recommendation System using content based filtering \| **January 2021-June 2021**

- Coordinated a team and created a Movie recommendation model incorporating algorithms such as Content-based filtering, Collaborative Filtering and using a dataset that contained the information of 100k movies.
- Performed advanced analysis by employing the Cosine similarity method and TF-IDF Vector Space model to determine similarities between two movies, contributing to the enhancement of content recommendation algorithms.
- Applied Collaborative Filtering methodologies to identify common preferences among users and common user base between any two movies.

Sentiment Analysis using Natural Language processing \| January 2021 - June 2021

- Developed a Sentiment Analysis system capable of distinguishing between positive and negative sentiments in tweets, utilizing Python and integrating NLP libraries such as NLTK and spaCy for efficient processing.
- Implemented the project by applying machine learning algorithms, including Logistic Regression and Naive Bayes, to accurately classify sentiment.

Awards and Certificates
\|https://github.com/Ninad-Ekbote/Awards-and-Certificates/tree/main

- Awarded the best research paper of the technical session award at the Innovations in Computational Intelligence and Computer Vision Conference 2022.
- Presented a research at paper International Conference on Pervasive Computing and Social Networking 2022.