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Sai Nikhil

github.com/SaiNikhil linkedin.com/in/Sai-Nikhil sainikhil0203@gmail.com
864-765-4469

Education

Clemson University, Masters in Computer Science December 2024
Statistics, Deep Learning, Foundations of Software Engineering,Applied Data Science

Aditya Engineering College, Bachelors in Computer Science
Machine Learning, Design and Analysis of Algorithms, Computer Organization, Python, Cloud Computing, Unified Modeling Lan

Skills

Programming Languages: C, C++, Python, Java
Frameworks: Django(Async, DRF, Pytest, O-Auth), REST, PyTorch.
Database: SQL,MongoDB.
Tools: Git/GitHub, Unix Shell, VS Code, Jupyter Notebook, Jira.
Libraries: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn

Experience

Content Writer | *Freetime - Hashnode* Present

- Composed articles on Linear Algebra for Machine Learning.
- Composed couple of articles on Computer Networks.
- Collaborating with 10's of developers on conceptualizing and publishing articles on Machine Learning.

Wipro | *QA Test Engineer* October 2022 – July 2023

- Worked on the 'Apple App Academy' project, providing support for manufacturing projects and managing timely dependent tasks.
- Played a pivotal role in tracking products from OEM model delivery to end-users, ensuring that product milestones were met in accordance with the project timeline.
- Defect logging and retesting using the bug tracking tool Radar and selenium.
- Writing and running the Automated Testcases and fixing the bugs.

Coding Ninjas | *Teaching Assistant* May 2022 – October 2022

- Assisted 100+students in doubt resolving and problem-solving in the course Data Structures and Algorithms.
- Provided one-on-one mentorship to students, guiding them through challenging coursework and offering additional resources.

Internshala | *Machine Learning Intern* August 2019 – January 2020

- Developed a predictive churn model.
- Conducted data pre-processing, feature engineering, and model evaluation.
- Collaborated with a cross-functional team to deploy the model in a real-world banking environment.
- Utilized Python, scikit-learn, and pandas for data analysis and modeling.

Projects

Quora Question Pair Similarity

- Developed a system to identify if a pair of questions on Quora were semantically similar, helping in deduplication and improving search relevance.
- Quora is a place to gain and share knowledge—about anything. It's a platform to ask questions and connect with people who contribute unique insights and quality answers. This empowers people to learn from each other and to better understand the world.

  Over 100 million people visit Quora every month, so it's no surprise that many people ask similarly worded questions. Multiple questions with the same intent can cause seekers to spend more time finding the best answer to their question, and make writers feel they need to answer multiple versions of the same question. Quora values canonical questions because they provide a better experience to active seekers and writers, and offer more value to both of these groups in the long term.
- **Technologies Used:** Python,Pandas,Numpy,Scikit-Learn,Natural Language Processing,Word2Vec,Bag of words
- The cost of a miss-classification can be very high and there is no strict latency constraint.

Personalized Cancer Diagnosis

- Developed a system to provide personalized cancer diagnosis and treatment recommendations based on patient-specific genetic mutations and clinical data.
- There are 9 different classes a genetic mutation can be classified on. This is not a trivial task since interpreting clinical evidence is very challenging even for human specialists. Therefore, modeling the clinical evidence (text) will be critical for the success.
- **Technologies Used:** Python,Pandas,Numpy,Scikit-Learn

E-Commerce

- Developed a system to provide personalized cancer diagnosis and treatment recommendations based on patient-specific genetic mutations and clinical data.
- **Technologies Used:** Python,Django,Django Rest Framework

2048 Game

- Designed and Developed an engaging and responsive rendition of the classic 2048 puzzle game, enhancing user experience with intuitive controls, smooth animations, and optimized performance across various devices."
- **Technologies Used:** Python,Tkinker,HTML,CSS

Real-time sentiment analysis of twitter data using AWS.

- Nowadays, social media is playing a massive role in every aspect of division. Twitter is one such platform which influences the day-to-day life of people. This project extracts text from Twitter and classifies them according to its polarity."
- **Technologies Used:** Python,AWS,Natural Language Processing,Tweepy,Text Blob

Achievements

- A Certificate of Excellence was awarded for the course "Data Structures and Algorithms with Python" by Coding Ninjas.
- A certificate for "intermediate problem solving" has been issued by ***Hackerrank*** platform.
- Achieved gold badge for problem solving on python in Hacker Rank.
- Solved around 230+ DSA problems on ***Leetcode*** ,and around 100+ problems on Geeks for Geeks.
- Secured the score of 96.5/100 in a coding contest conducted by ***Geeks For Geeks*** .