

JYOTI NIGAM

Data Engineer

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Profile Summary

Professional with a growing foundation in the fields of Machine Learning, AI, Data Science, and Data Engineering. Passionate about leveraging data and technology to drive innovation, solve complex problems, and deliver impactful insights. Experienced in developing and implementing data-driven solutions to address diverse challenges and contribute to the advancement of these rapidly evolving fields.

Publications

Published 12+ **articles** on GeeksforGeeks (GFG) and awarded the "Proficient" badge for my contributions.

Won first prize in CodeChef's Writers Assemble competition with an article on IDE, which was subsequently published on the **CodeChef blog**

Achievements

- Awarded a silver medal and a certificate of merit by the University for achieving the 2nd rank in B.Tech IT.
- Successfully qualified the Graduate Aptitude Test in Engineering (GATE) with a score of 433 and a rank of approximately 5,000.
- Hold a "Sangeet Prabhakar" degree in Synthesizer.
- Served as a Computer Science Subject Matter Expert at Chegg.

Experience

Everlytics Data Science India LLP

April 2023 – Present

Data Engineer

Remote

- Implemented obfuscation for all APIs across various modules using a single script.
- Created a dashboard from the ground up using TypeScript.
- Streamlined backend code by applying Object-Oriented Programming (OOP) principles, eliminating code repetition, and authoring a shared script for common functions inherited by all APIs.
- Improved code hygiene in the backend by implementing best practices for Python code.
- Mentored and supervised interns for backend development, effectively allocating tasks and managing work distribution.
- Developed developer documentation in RST format, ensuring clear and accessible resources for fellow developers.
- Diagnosed and resolved multiple bugs in both front-end and backend systems, contributing to the overall stability and functionality of the software.
- Successfully resolved a critical data loss issue by implementing synchronization techniques, ensuring timely and reliable data transmission to the broker with minimal delay.
- Developed and presented regular progress reports and updates to clients, ensuring transparency and alignment with their expectations.
- Diagnosed and resolved technical issues related to text analysis, further improving the quality of the algorithm and user experience.
- Currently leading a key role in the EDW transformation project for Tata Communications Limited, managing project planning and development teams. Responsible for the entire project lifecycle, involving tools and technologies such as Shell scripting, Informatica, Singlestore, Terradata BTeq scripts, and Linux server.
- Instrumental in developing and presenting progress reports to clients, ensuring transparency and alignment with their expectations.

Technical Skills

Languages: Python, Typescript, HTML/CSS, JavaScript, SQL, Singlestore

Developer Tools: VS Code, Git, Shell Scripting, Informatica

Technologies/Frameworks: Machine Learning, Linux, Elasticsearch, Flask, React, Bootstrap

Projects

SDN Based DDOS Attack Detection and Mitigation | *Python, Ryu Controller, Mininet and Hping3*

- Successfully detected DDOS attack in Software Defined Networking (SDN) with an accuracy of 100%.
- Also implemented Logistic Regression, SVM, Naive Bayes, Decision Trees, Random Forest and compared the results of all algorithms

ToDo App | *ReactJS, MaterializeUI, CSS, HTML, Javascript, Firebase*

- Simple To Do App that allows user to signup/login and create, update and delete ToDos
- Implemented user authentication using Firebase

Market Basket Optimization | *Python, Machine Learning*

- Utilized Apriori Analysis to implement Association Rule Learning on a dataset obtained from the UCI Machine Repository.
- the project's objective was to generate rules that could assist shop owners in effectively grouping products to boost sales

Education

University Institute of Engineering and Technology Kanpur

BTech in Information Technology, CSJM University

CGPI: 9.60

KDMA International

Senior Secondary, CBSE Board

Percentage: 93%

Aug. 2019 – May 2023

Kanpur, Uttar Pradesh

May. 2017 – May 2018

Kanpur, Uttar Pradesh