Vidushi Gandhi

CSE Student

Contact

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Faridabad, Haryana,India

Education

- **Echelon Institute Of Technology, Faridabad , India**

  B.Tech - CSE CGPA : 8.64

  2020-2024

- **St. Mary's Convent Sr. Sec. School. Faridabad, India**

  Class 12 Percentage: 94.2

  2018-2020

- **St. Mary's Convent Sr. Sec. School. Faridabad, India**

  Class 10 Percentage: 91.8

  2016-2018

Skills

- Web And Design

  JavaScript , Bootstrap , CSS-3 , HTML-5 , OAuth ,React.Js ,Express.Js, Node.js, Django

- Database Management System

  MySQL , MongoDB , ClickHouse

- Programming Languages

  C , C++ , Python ,Java , MATLAB

- Git , GitHub
- Microsoft Azure

Awards

Jan 2024 | Academic Excellence
University Topper in 4 & 5 Semester

Jan 2024 | Extra Mile Award
Published Research Paper and Represented College at IIT Delhi

Jan 2024 | Esprit de corps

2022- 2023 | Hacktoberfest
Open Source Contribution in DSA

Jan 2024 | Techlon Award

Profile

As a Computer Science and Engineering graduate from Echelon Institute of Technology, Faridabad, India, I am currently working as a Data Science Engineer at Iktara Data Sciences. Known for my optimism, strong work ethic, and dedication to continuous learning, I am passionate about applying my technical expertise to solve complex, real-world challenges. I am eager to continue growing within an organization that values innovation and professional development, and I am excited to leverage my skills and enthusiasm to drive impactful results in the technology industry.

Work Experience

August 2024- Present

IKTARA Data Sciences I Delhi/NCR, Faridabad

Data Science Engineer

As a Data Science Engineer at Iktara Data Sciences, I develop solutions for Airtel's network systems, including the Airtel Transmission System and Dark Network Operating Center. I create inventory data pipelines, build a Network Data Store for analytics and autonomous networks, and design dashboards for 360-degree insights into network health, transforming telecom systems into intent-driven solutions.

Jan 2024- July 2024

IKTARA Data Sciences I Delhi/NCR, Faridabad

Intern/ Data Science Engineer

Dynamic Data Science Engineer Intern contributing to a forward-thinking startup, proficient in data cleaning, managing large datasets, and implementing advanced unsupervised learning algorithms such as Isolation Forest, Deep AR, and LSTM. Skilled in optimizing database queries and developing high-performance web applications using Django. Dedicated to driving innovation and continuous growth in data science and software engineering expertise.

Project

Airtel Transmission Work Banch

At Iktara Data Sciences, I contribute as a Data Science Engineer, focusing on building advanced solutions for Airtel's network systems. My work encompasses:

- Airtel Transmission System Development: Creating inventory data pipelines to efficiently store and manage network data.
- Dark Network Operating Center: Developing a state-of-the-art operating center to monitor and analyze network configurations and performance.
- Network Data Store: Designing a data lake architecture for storing diverse network data types—structured, columnar, and vector data—to facilitate visualization, analytics, and autonomous networks.
- Rules Engine Development: Implementing network rules for inventory, configuration, performance, and alarms to ensure alignment with network KPIs.
- Dashboard Visualization: Building dashboards that provide 360-degree insights into network and device health, aiding in decision-making and tracking KPI trends.

Through these responsibilities, I am actively contributing to transforming telecom networks into autonomous, intent-driven systems.

Research Papers

SVM-Based Framework for Breast Cancer Detection

Published in: International Conference on Artificial-Business Analytics, Quantum and Machine Learning (Springer, 2023)

- Co-authored research on breast cancer detection using KNN, SVM, and Logistic Regression.
- Achieved 95.5% accuracy with SVM, outperforming other models.
- Focused on early diagnosis to aid medical professionals in identifying malign vs. benign cases.

Analysing the Causes of Mood Disorders – A Comprehensive Study

Published in: International Journal of Computational Modeling and Physical Sciences (IJCMPS), Vol-6, Issue-1, June 2024

- Co-authored a study on depression detection using Machine Learning techniques including KNN, SVM, Decision Tree, Naïve Bayes, and Logistic Regression.
- Focused on early detection and accurate prediction to assist in mental health diagnosis.
- Explored key features impacting the identification of depression levels.