

VIVEK SHIVAM SAHARIA

• +917002404309

• vivekshivam39@gmail.com

• [LINKEDIN](#)

• [GITHUB](#)

EDUCATION

B. TECH in Information Technology | Kalinga Institute of Industrial Technology

May'21 - May'25

KIIT University | Bhubaneswar, IN

- 7.78/10, Studying advanced topics including AI, Machine Learning, Deep Learning for pattern recognition, Data Structures for efficient data management and Computer Vision for efficient data processing and analysis.

INTERSHIPS

IOCL (Indian Oil Corporation Ltd.)

June'24 - July'24

- Analyzed real-time data from 1,500+ industrial devices to identify accuracy gaps, leading to the development of a PMHM system that enhanced data reliability by 35%.
- Created Power BI dashboards to present predictive insights and health scores, streamlining analysis processes and lowering operational expenses by 20%.
- Designed machine learning algorithms achieving 90% accuracy to optimize maintenance predictions, cutting downtime by 25%.

PROJECTS

Recipe Generator

Sep'24 - Nov'24

- Developed a Flask app recommending recipes with 92% accuracy based on user-provided ingredients.
- Analyzed user ingredient data and implemented TF-IDF with cosine similarity, enhancing recipe recommendation relevance by 30%.
- Assembled a dataset of 1,000+ recipes, offering unique and personalized options.
- Optimized an interactive web interface and a user-friendly interface, reducing query time by 40% with optimized backend.
- Leveraged Python for data preprocessing, Flask for web development, scikit-learn for similarity analysis, and HTML/CSS to create an interactive frontend design.

Predictive Maintenance and Health Monitoring System

June'24 - July'24

- Constructed a real-time monitoring solution for 1,500+ industrial devices, enhancing data accuracy by 35%
- Deployed machine learning models with 90% accuracy, leveraging data analysis to predict maintenance needs, and reducing downtime by 25%.
- Created Power BI dashboards to simplify data visualization, reducing analysis time by 40% and cutting maintenance costs by 20%.
- Implemented Python and Pandas for data manipulation, Machine Learning for predictive modeling, Power BI for data visualization, and Excel for efficient data analysis.

NBA Sponsorship Analysis System

Feb'24 - April'24

- Engineered an analysis platform in Jupyter Notebook using Python to predict financial trends with 85% precision.
- Designed interactive Power BI dashboards with real-time data feeds and custom visualizations, shortened analysis processes by 20%.
- Deployed Python and Pandas for efficient data cleaning, Power BI for interactive dashboards, and Machine Learning models for forecasting trends based on 1,000+ data points.

KEY SKILLS

Technical Skills

Languages: Python, C, C++, Jupyter, Java, R, SQL

Data Analysis: SQL, PowerBi, Excel, EDA

Web Development: HTML, CSS

Additional Skills: Prompt Engineering for ChatGPT

Certifications: Cloud Computing AWS (Internshala), Data Science for Engineers (NPTEL, IIT Madras), Generative AI: Essentials (Coursera), Generative AI: Prompt Engineering (Coursera), Graph Theory Programming Camp, HackerRank

Extra-Curricular: Represented the school football team in regional tournaments, showcasing teamwork and athletic skills; Trained Pistol Shooter