VISHAL MAURYA

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EDUCATION

PRASAD INSTITUTE OF TECHNOLOGY — Jaunpur, UP
Bachelor of Technology — Sept 2021 - Jul 2025
COMPUTER SCIENCE & ENGINEERING

St. JOSEPH SR. SEC. SCHOOL — Jaunpur, UP
Intermediate (12TH) — Jul 2019 - Jul 2020
SCIENCE

PRASAD INTERNATIONAL SCHOOL — Jaunpur, UP
High School (10th) — Jul 2017 - Jul 2018

TRAINING & EXPERIENCE

EI SYSTEM — Lucknow, UP
Data Science Using Python — Aug 2023 – Sept 2023

- Learned to Build Power BI dashboard to visualize Data.
- Learned to analyze data using Python Frameworks (Such as: Matplotlib, Numpy, Pandas, Scikit-Learn, SciPy, etc.)

YBI FOUNDATION — Virtual
Foundation of Data Science — June 2023 – July 2023

- Conducted Exploratory Data Analysis (EDA) on large datasets utilizing Python and SQL to extract valuable insights for the purpose of optimizing marketing strategies and enhancing customer engagement.
- Created and implemented predictive models using machine learning techniques such as regression and random forests resulting in a significant 15% improvement in demand forecasting accuracy.

EDUNET FOUNDATION — Virtual
Artificial Intelligence & Cloud Technology — June 2024 – July 2024

- It was a 4-week Internship, leveraging SkillsBuild & IBM Cloud Platform in EMERGING TECHNOLOGIES (AI & CLOUD)
- Worked with AI tools on IBM Platform for developing Chatbot which have Machine Learning integration to reply based on their Feelings and Emotions.

SMART INTERNZ — Virtual
Machine Learning Engineer — July 2024 – Aug 2024

- Developed an Employee Performance Prediction model using machine learning algorithms, analyzing key features to forecast productivity, aiding data-driven HR decision-making.
- Implemented data preprocessing, feature engineering, and model evaluation techniques to optimize accuracy; presented insights through data visualization tools to enhance interpretability and usability for stakeholders.

WIKI TECH CLUB — Virtual
Road to WIKI Program (COHORT 1) — Sept 2024 – Present

- Contributing to open-source documentation and content creation, enhancing accessibility and comprehension of technical concepts for a broader audience.
- Collaborating with a team to refine technical articles and tutorials, improving community engagement and promoting knowledge-sharing within the Wiki Tech ecosystem.

PROJECTS

T20 CRICKET DATA ANALYSIS — Sep 2023

- Used Web Scraping Technique to pick out the data from ESPNCRICINFO and analyzed the data by further process using Python.
- Enabled users to know the best eleven players of the team for T20 on Power BI.

REAL TIME MONITORING SYSTEM — May 2024

- This project contains the Real Time Monitoring System by Google Earth Engine for the Land Used and we can use this analysis to construct Buildings for Industry, School, Houses, Hospitals.
- It can be used to plant trees by analyzing space. In this project we have given One Tap Emergency Service for people using HERE API for Hospitals.

QUERY AGENT — June 2024

- This project implements a Natural Language Query Agent that answers questions based on lecture notes and a table of LLM architectures.
- It is based on LLM, Sentence Transformers, FAISS, Pandas which can answer your questions in your Natural Language.

CONTENTGENIE Aug 2024

- Developed **ContentGenie**, an AI-driven content generation tool leveraging Azure's NLP services, enabling automated content generation, and providing personalized content for customers based on their preferences and purchase history.
- The app utilizes machine learning and the Azure OpenAI service to generate tailored recommendations and insights.
- Integrated Microsoft Azure Cognitive Services for language processing, enhancing content quality and relevancy; optimized the tool for scalability and performance to support high-demand content workflows.

EMPLOYEE PERFORMANCE PREDICTION Sept 2024

- Developed a machine learning model to predict employee performance, using feature engineering and advanced algorithms to identify productivity trends and key performance drivers.
- Enhanced model accuracy through rigorous data preprocessing and evaluation techniques, delivering actionable insights to support HR decision-making and workforce optimization.

STUDY-BUDDY Oct 2024

- Developed a machine learning model to predict employee performance, using feature engineering and advanced algorithms to identify productivity trends and key performance drivers.
- Enhanced model accuracy through rigorous data preprocessing and evaluation techniques, delivering actionable insights to support HR decision-making and workforce optimization.

CYBERNET 2024-2025

- Developing an AI-driven cybersecurity solution, leveraging machine learning to detect, analyze, and respond to real-time cyber threats, enhancing system resilience against attacks.
- Implementing anomaly detection for network traffic, user behavior, and system logs, enabling automated response actions and seamless integration with existing security infrastructures like SIEM and firewalls.

AWARDS & ACHIEVEMENTS

STELLARSCAPE HACKATHON EXPLORER Hamirpur, HP
WINNER Apr 2024

- A Hackathon conducted by ISTE X ANDROMEDA (NIT Hamirpur) which I won by creating the backend ADO for Flexible Pay Crowdfund App using RUST Language.

GALGOTIA INTERNATIONAL HACKATHON Gr. Noida, UP
FINALIST May 2024

- Developed an advanced Real-Time Monitoring System project, leading to a finalist spot in the Hackathon by displaying enhanced system reliability and reducing data processing time by 45%.

ADDITIONAL

Technical Skills: Proficient in Python, JAVA, RUST, R, MERN, Kali Linux, MongoDB, PostgreSQL
Languages: Fluent in English & Hindi, Conversational Proficiency in English & Hindi
Extra-Curricular Activities: Contributed in Open Source Projects in SSOC'24 & GSSOC'24, Leadership & Soft Skills, Mentor in GSSOC'24 Ext., Contributing in SWOC'24 & GSWOB'24
Certifications & Training: Course of Google Cyber Security (Coursera), Certificate of Java Script & Python (Hacker Rank), POSTMAN API Fundamentals, SAWIT AI Learnathon(GUVI)
Important Links: LinkedIn, GitHub, Kaggle, Google Cloud Skill Boost, Google Developer