Mohamed Faraazman Bin Farooq S

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EDUCATION

B.S. Abdur Rahman Crescent Institute of Science and Technology. Chennai, TN
Bachelor of Technology in **Artificial Intelligence and Data Science CGPA: 9.1/10** Aug. 2021 – Present (7th Sem)
Relevant Coursework: DBMS, Computer Networks, Operating Systems, Statistics and Probabilities, Algorithms, Artificial Intelligence

Islamiah Boys' Higher Secondary School Vaniyambadi, TN
Achieved top scores in multiple subjects during final examinations for both Grade 10 and Grade 12 May 2019 - May 2021

EXPERIENCE

Postulate Infotech - Data Science Intern May 2024 – June 2024
- Developed a **chatbot for document scraping** using advanced NLP and machine learning techniques.
- Leveraged **SentenceTransformers** to create semantic embeddings, ensuring accurate and efficient information retrieval.
- Integrated **LangChain**, **Chroma** to enhance the chatbot's ability to manage & query large volumes of unstructured data.

Creative Technostructure - Business Analyst Intern June 2023 – Present
- As a Business Analyst Intern, I actively contributed to data-driven decision-making processes in a dynamic consulting and recruitment firm. My responsibilities included gathering and interpreting data, conducting market research, and creating reports for strategic initiatives.
- Developed dynamic dashboards in Tableau and automated data collection with Python scripts; reduced manual data processing time by 40%, enabling faster decision-making and strategy adjustments

IBM Skills Build Edunet Foundation - AI Intern August 2023 - October 2023
- Achieved a 30% improvement in sentiment classification accuracy, yielding more reliable insights into customer feedback.
- Utilized Python, Jupyter Notebook, and implemented Support Vector Machine (SVM) algorithm for sentiment analysis

Cloud Counselage Industry Academia Community - Data Analyst Intern July 2023 – September 2023
- Worked on project to gain the insights from the real time data collected from the different colleges.
- Analyzed a dataset of 2,000+ student records to uncover insights correlating economic background with academic performance and projected salaries; findings informed strategic recommendations for targeted academic support programs.

PROJECTS

Data Analytics Project: Student Intern Insights Link to Project
- Data Analysis: Processed and analyzed a dataset containing various attributes of student interns, focusing on academic performance, economic background, and career aspirations.
- Insight Generation: Addressed 15 analytical questions, such as identifying relationships between GPA, family income, and expected salary, and determining factors that influence student success. Visualization: Created visualizations for all questions to clearly present findings, such as the average GPA across different colleges, distribution of students by graduation year, and expected salary variations based on different factors.
- Outcome: Provided actionable insights into how various factors, such as family income and event participation, influence student success, with visual data supporting recommendations.

Automated Question Builder Application (Team Project) My Role – Frontend Dev *Hexaware UI* Oct 2024
- Developed an advanced administrative dashboard for monitoring key metrics such as user activity, network load, study time reports, and question attempts over time. Implemented a responsive UI using HTML, CSS, and JavaScript, featuring dynamic data visualization through interactive charts.
- Integrated functionality to generate question banks from uploaded PDFs, allowing users to customize questions by difficulty and topic.
- Designed features for emailing generated question banks to selected recipients with an easy-to-use email selection interface.
- Implemented support for dark mode using inline CSS, enhancing the user experience with seamless theme switching.
Technologies used: HTML, CSS, JavaScript, Git, Responsive Design, Data Visualization

Electricity Meter Reading Project Oct 2024 – Present
- Created an automated system for electricity meter reading using computer vision techniques used YOLO V8, TrOCR Algorithms.
- Developed algorithms to process images of meter readings and convert them into structured data for analysis.

ADDITIONAL

Technical Skills: Programming Languages: Python, R, SQL, Java, C — **Machine Learning**: Scikit-learn, TensorFlow, PyTorch
Database Management: MySQL, MongoDB, Postgres — **Tools**: Jupyter Notebook, VS Code, Git, GitHub
Data Analysis: Statistical analysis, Predictive analytics, Feature engineering — **Data Visualization**: Tableau, Power BI.
Achievements: MLSA - Led tech workshops, events, and Cloud Skills Challenges, Designed and implemented innovative projects utilizing Microsoft Azure, Power Apps, dramatically boosting workshop effectiveness and participant engagement.
Certifications: Microsoft Certified: Power BI Data Analyst Associate Certificate **Microsoft** Certified: Fabric Analytics Engineer Associate Certificate Databases & SQL for Data Science with Python
Extracurricular Activities: Power BI Workshop – Conducted interactive sessions on data analytics & visualization for students.
Certificate of Achievement: Wadhwani Foundation for recognition of a prototype as a Real Venture