Vasanthakumar Mohan

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PROFILE

Dynamic B.Tech graduate in Artificial Intelligence and Data Science from Panimalar Engineering College. Proficient in Power BI, Python, R, and SQL with a knack for creating captivating visualizations and streamlining data processes. Eager to apply analytical prowess to drive business growth and operational excellence as an entry-level business analyst in an innovative company.

EDUCATION

2020 - 2024	Btech in Artificial Intelligence and Data Science	CGPA:8.99
2020	Higher Secondary Leaving Certificate	Percentage: 77%
2018	Secondary School Leaving Certificate	Percentage: 90%

PROFESSIONAL EXPERIENCE

Freelance Data Science Tutor,Chennai.   Nov 2023 - Jun 2024(Intermittent)

- Collaborated with Arjun Tech Vision and NSIC to deliver high-quality educational content and support students' learning goals.
- Designed and delivered curriculum covering data analysis, machine learning, and visualization.

Internship at Circulayo, Derby, UK.   Apr 2023 - Jun 2023

- Developed an Augmented Reality (AR) application at Circulayo, UK, focusing on environmental trash detection.
- Mastered Vuforia engine and implemented computer vision techniques for trash object identification, triggering AR panels.

Internship at National Small Industries Corporation, Chennai, India.   Jul 2022 - Aug 2022

- Completed immersive training at NSIC, excelling in Python programming for machine learning.
- Gained hands-on experience in data preprocessing, predictive analysis, and readiness for impactful contributions in data science.

PROJECTS

EmpowerED - A Conditional Generative assistant

- Generated 5-minute educational videos from student queries using MoviePy and Gemini 1.0 and created interactive 360-degree virtual college tours using insta 360 one x.
- Developed a Gradio interface for resume-job matching and CSV student data analysis, offering actionable insights for teachers.

Political data analytics using Web Scraping and Power BI

- Scraped and transformed political data from government websites using Pandas to analyze regional trends and election outcomes.
- Built interactive Power BI dashboards to visualize past and present performance metrics of political parties, aiding strategic decision-making.

Verbi Virtual Odyssey - Metaverse

- Designed an interactive virtual language learning environment with Blender, customized to user's native languages, fostering global connectivity through a Pun server.
- Enhanced with XR toolkit for immersive learning and implemented real-time Python translation within Unity for seamless user experience.

Student Placement Prediction System

- Analyzed student and college performance using data visualization and machine learning to predict student placement probability.
- Designed predictive algorithms to provide actionable insights for improving placement strategies.

TECHNICAL SKILLS AND INTERESTS

Programming Languages: Python,Java,R,SQL.
Data visualisation Tools: Power BI, Microsoft Excel.
Cloud/Databases:Amazon Web Service (AWS), MongoDB, Relational Database(mySQL).
Areas of Interest: LLM, Art.
Soft Skills: Engaging Public Speaking, Empathy-Driven Communication, Learning Agility.

CONFERENCE

Knowledge Based Organisational Personal Assistant   Feb - 2024

- Presented'Knowledge Based Organisational Personal Assistant' paper at the 2nd IEEE and ACM collaborative International Conference on Emerging Trends in Information Technology and Engineering,icETITE'24. https://ieeexplore.ieee.org/document/10493275

Student Placement Prediction using Machine Learning   Mar - 2023

- Presented 'Student's Placement Prediction using ML' paper at AICTE's 6th International Conference on Intelligent Computing.

CERTIFICATIONS

- Career Essentials in Business Analysis by Microsoft and LinkedIn   Apr 2024 - May 2024
- Data Analytics Essentials by CISCO   Mar 2024 - Apr 2024
- Google Analytics for Beginners by Google Analytics Academy   Feb 2024 - Mar 2024
- AWS Academy Graduate - AWS Academy Machine Learning Foundations   July 2023 - Aug 2023

ACHIEVEMENTS AND VOLUNTEERING

Student Branch Chairman - IEEE   Mar 2021 - Mar 2023

- Organized multiple technical events and conferences at Panimalar Engineering College, promoting knowledge sharing and skill enhancement among students.

Best Paper Award- 6th International Conference on Intelligent Computing   Apr 2023

- Outshined 15 teams at PECTEAM conference, securing the Best Paper Presenter accolade for our work 'Student Placement Prediction using Machine Learning'.

Build Your Metaverse Runner Up - MBCIE   Feb 2023 - Mar 2023

- Achieved the runner-up position in the 'Build Your Metaverse' Program organized by Munjal Birmingham City University.