BONILKUMAR VIJAYKUMAR TAILOR

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PERSONAL STATEMENT

I am an energetic university student with strong teamwork and versatile problem-solving abilities developed through various academic activities and previous work experiences. Technically skilled in Python for Machine Learning and Deep Learning algorithms, SQL Database Management, Data Visualization, and experienced at assessing options and delivering the appropriate response to meet specific business needs. Effective communication skills learned from various volunteers work and seminars. I am eager to utilize my considerable expertise and cutting-edge knowledge whilst also enabling my continued professional and academic development. I am actively looking for an opportunity in Data Scientist role.

WORK HISTORY

KFC TEAM MEMBER   September 2023 – Present
KFC, Maghull Ln, Liverpool

- My role at KFC required me to greet customers, take orders, serve customers and attend to any specific needs.
- My role also included stock control, admin checks, light cleaning and till work. Impeccable presentation and flexibility were key to this position.

SENIOR SYSTEMS ENGINEER   January 2021 – May 2023
Infosys Limited, Bangalore, India

- I served as a technical expert to analyse the root cause of errors in databases. I created the required SQL queries to remediate the data issues and provide a consistent quality of technical production support to deliver positive customer outcomes.
- Identified systems inefficiencies through performance data analysis.
- Collaborated with clients to determine need and devise appropriate software and hardware solutions.

PYTHON DEVELOPER   December 2019 – March 2020
Sigma Trainers and Kits, India

- I worked on the development of home automation system kits based on Internet of Things with theoretical calculations, deployment, and testing based on python.
- I conducted seminars on details of the Internet of Things.

EDUCATION

Master of Science, Data Science and Artificial Intelligence   September 2023 – Present
University of Liverpool, Liverpool

Bachelor of Technology, Electronics & Communications Engineering   September 2016 – May 2020
Dharmsinh Desai University, India

Higher Secondary School Certificate   July 2014 – March 2016
Shree Vasishtha Vidhyalaya, India

SKILLS

Python (NumPy, Pandas) – Developed advanced home automation kits leveraging IoT and Python. Expert in NumPy and Pandas for data manipulation. Holder of Infosys Certified Data Science using Python Professional certification.

Machine Learning / Deep Learning (Scikit-learn, TensorFlow, PyTorch) – Highly skilled in Machine Learning and Deep Learning with extensive experience in developing, training, and deploying models for various projects.

Database Management / SQL / Oracle SQL Developer – Nearly 3 years of experience in SQL and Oracle SQL. Created database for final year project "Adaptive Water Vending Machine."

C, C++ – Learned as a part of my bachelor's degree. Designed a Digital Dice as a second-year project using object-oriented C++ programming.

MS Excel / Google Sheet – Having been responsible for preparing weekly reports as a senior systems engineer, I gained skills in MS Excel and Google Sheet

Interpersonal Communication / Customer Service – Collaborated with clients and directed several seminars as part of my previous jobs. Completed Infosys Business Communication Level 5 Certificate.

Leadership experience / team player – Having worked effectively in a team and as a team leader in all three of my previous positions.

PROJECTS

Levelling up the Robot Scientist with Multimodal Skills – Develop a robotic system for capping and decapping sample vials using visual, tactile, and contact sensory data, integrated via machine learning and behaviour trees. Deploy these methods on the Franka-Emika Panda robotic manipulator in our Autonomous Chemistry Laboratory.

Student Performance Prediction – Used various machine learning algorithms to predict whether a student will pass or fail a course based on factors such as attendance, grades, and study habits.

Image Classification using Neural Network Model – Implemented image classification, object detection, and image segmentation tasks using CNNs and MLPs for real-time image analysis and image processing.

Adaptive Water Vending Machine – This project is based on the 'Railway Nir Project'. The drawback of the leakage of bottle in the Railway Nir Project is removed by our project. This project works on the raspberry-pi development board with some concept of reinforced learning of machine learning.

New York City Wi-Fi Analysis – Created a dashboard that explore the availability of free Wi-Fi facilities in city of New York with interactive maps in python.

ACHIEVEMENTS

- Awarded first rank in the Students' Special Symposium, held under the auspices of INAC-4 and ISRO, for a paper titled "Adaptive Water Vending Machine."
- Infosys Certified Data Science using Python Professional certificate.
- Infosys Business Communication Level 5 Certificate.
- IBM Databases and SQL for Data Science with Python Certificate.