Nihila Pallath

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Ph: +917594006211

Career Objective:

Data Scientist with a passion for using data to solve business problems. Seeking a position where I can use my skills in SQL, Excel, Python, App Development and machine learning along with my engineering abilities to make a positive impact as a business analyst.

Education:

Indian Institute of Technology (IIT), Madras, Tamil Nadu

BS in Data science and Programming (2022 – In progress)

CGPA: 9.57/10 (For a cumulative of 64 credit points)

APJ Abdul Kalam Technological University, Kerala

Bachelor of technology in Aeronautical Engineering (2015 – 2019)

CGPA: 7.02/10

MES HSS Mannarkkad, Palakkad, Kerala

Higher Secondary Education – Computer Science (2013 – 2015)

Percentage: 88.6 %

Technical Skills:

Data analysis, statistical modelling, Business data management, Machine learning (Supervised and unsupervised) & App Development.

Programming: Advanced SQL, Python (with NumPy, Pandas, Scikit-learn), Java Script, Full stack App development (Flask, Java Script, SQL Alchemy & HTML) & C++.

Data science: Machine Learning Techniques, Advanced Excel, Python, Tableau, Kumu, Flourish, QGIS,

Design Software: Autodesk AutoCAD, Catia & Ansys Workbench.

Work Experience:

Freelancing tutor: Pear Deck Tutors, USA (2020 – 2024)

Trainee Junior Engineer: Agni Aero sport Adventures Academy, Bangalore, Karnataka (Sep – Dec 2019).

Academic Projects:

Modern Application Development (Grade: S): Experimental project on backend development using Flask, Java Script, VueJS & SQL Alchemy on “Quiz Master”, a multi-user app (one requires an administrator and other users) that acts as an exam preparation site for multiple courses.

Modern Application Development (Grade: S): Experimental project on front end development using Flask, HTML & SQL Alchemy on “Household Services” incorporating connecting customer & Professionals.

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Modern Application Development: Experimental project on backend development using Flask, Java Script, VueJS & SQL Alchemy on "Grocery Store", a multi-user app (one requires an administrator and other users) that acts as an platform between buyer and seller.

Machine Learning Project(Grade: S): "System Threat Forecaster" used to predict a system's probability of getting infected by various families of malware, based on different properties of that system.

Business Data Management(Grade: A): "Optimal Inventory Management and Sales Forecasting for Pharmacy" based on the forecast of the sales, purchase and inventory data using Excel & Python.

Design of Active Debris Removal System by Netting Mechanism: Overall design of a spacecraft, capable of removing space debris from low earth orbit, in terms of mass and cost and its Cad Modelling.

Drogue Parachute in Commercial Aircraft to Reduce Landing Distance: Design and mathematical modelling of the influence of Drogue parachute in commercial aircrafts like Boeing 787.