Ashish Valentine

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FUNCTIONAL COURSEWORK

- Artificial Intelligence & Deep Learning (AI)
- Tensorflow
- Python Scripting
- Machine Learning
- SQL & Databases
- Power-Bi
- Data Visualization
- Statistics and Hypothesis testing
- C# Programming (.NET CORE)

TECHNICAL SKILLS

- **Artificial Intelligence (AI) & Machine Learning –** Supervised Learning, Unsupervised Learning, Ensemble Methods, Dimensionality Reduction, Deep Learning.
- **Power BI** – Extract Transform & Load (ETL), Data Modelling, Filters, Report and Dashboard Design, Publishing and Sharing.
- **Data Preprocessing and Analytics** – Data Cleaning, EDA, Feature Engineering, Feature Selection.
- **Statistics –** Descriptive and Inferential Statistics, Correlation and Covariance, Hypothesis Testing**.**
- **SQL –** Data Querying, DML, DDL, Subquery, Aggregate Functions, and Window Functions.
- **Python -** Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Matplotlib
- **.Net –** OOP, Visual Studio, Partial & Static Classes, Extension Methods, Collections

WORK EXPERIENCE

- **INTEL CORPORATION | GRADUATE TECHNICAL INTERN | BENGALURU | SEPT 2022- MAY 2023**
  - Developed "Source Audit" software to optimize software release processes and enhance team collaboration.
  - Conducted research and analysis on silicon wafer testers across Intel plants, creating visual dashboards using Python and Power BI.
  - Implemented a machine learning algorithm to predict tester crashes, contributing to a time series analysis model.
- **THE NUDGE | SOFT SKILL INSTRUCTOR | BENGALURU |APRIL 2021- MAY 2022**
  - Mentored 60 individuals in 3 groups during COVID-19, fostering communication and interpersonal skills. Simplified complex topics empathetically, improving understanding and confidence. Developed strong communication and collaboration skills. Offered support and fostered growth, demonstrating adaptability and resilience.
- **BDL (MINISTRY OF DEFENSE) | INTERN | HYDERABAD |APRIL 2019**
  - Actively participated in pattern recognition research to detect missile health, demonstrating adaptability to diverse technical challenges.

PROJECTS

- **SQL-To-NLP Chat-Bot | .Net Core, Python, Visual Studio, Pycharm, OpenAI**

  - *This project combines .NET Core for backend, Python for NLP, Visual Studio for .NET, PyCharm for Python, and OpenAI for NLP, showcasing a comprehensive approach to building a sophisticated chatbot***.**

  - *The project converts SQL queries to natural language, requiring a combination of .NET Core and Python for efficient handling. This approach ensures scalability, as both technologies are well-supported and can manage large volumes of data and requests.*

- **Real Estate Management System | .Net Core MVC, Visual Studio, SQL server Management**

  - *Created a .NET Core MVC project enabling real estate agents to upload photos and information about valuable estates, aiding the agency in targeting high-value properties.*

  - *Implemented a system deploying agents to assess valuable spots, capture estate photos, and enter surrounding information, enhancing the agency's real estate strategy.*

  - *Integrated a database backend with CRUD functions, enabling efficient management and retrieval of estate data, supporting the agency's decision-making process.*

- **Adventure Works Data Analysis | Power Bi, Data Modeling, DAX, Data Visualization**

  - *Analyzed and visualized sales, customer, and product data over 2 years using MySQL and Power BI, improving data visibility.*

  - *Identified a profit of 1.05M from a 21M budget through detailed analysis, influencing strategic business decisions based on data-driven insights.*

EDUCATION

- **Master of Technology [CSE with specialization in Artificial Intelligence and machine Learning]**
  - Vellore Institute of Technology, Vellore, India — CGPA - 8.5
- **Bachelor of Engineering [Electronics & Communication]**
  - Vignana Bharathi Institute of Technology, Hyderabad, India — CGPA - 7.3

CERTIFICATION & ACHIEVEMENTS

- Generative AI in LLMS — **04/2024**
- Developed a Source Audit Tool for Intel that improved software quality and ensured error free release — **2022-23**
- Designed and deployed a high-accuracy machine learning model predicting crashes in Intel Silicon testers with 95% accuracy.
  Managed and processed a 1 GB dataset of 3 million entries within a single agile sprint. — **2022/23**