Devang Solanki

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Work Experience

Forvis Mazars, Gurgaon   **Jan 2023 – Apr 2023**

Business Development Intern
- Mapped out the thorough Software development process through rigorous **SDLC** (**SRS** Documentation).
- Guided the team in creating dashboards using Power BI by making **wireframes** and laying out the groundwork.
- Conducted status update meetings on projects, provided the team with data flows.
- Compiled findings and presented them to the stakeholders using **Tableau**, **Power BI**.

Brain Mentors, Noida, Gurgaon   **Jun 2022 – Aug 2022**

Big Data Intern
- Completed 4 team and individual projects in the field of fraud detection like E-mail spam classification, applying **Machine Learning algorithms**, linking with **APIs** of Gmail, Youtube, Twitter and linked using Flask based Interface and Web Frameworks.
- Acquired basic knowledge on several **Big Data** Frameworks like **Hadoop**, **Pig** and contributed to team projects in such fields.
- Developed over 5 customised models for solo healthcare projects, utilising algorithms from ML classification and regression to advanced Deep Learning **CNN architectures**, specifically designed to handle Big Data.
- Used: Hadoop, Spark, Pig, Flask, HTML, CSS, APIs, TensorFlow, Keras, scikit-learn. Google Colab.

Skills

Languages: Python, React, NodeJS, Java, C++, SQL, HTML/CSS/JS
Libraries & Frameworks: Spark, Apache Hadoop, FastAPI, Django, Flask, Scipy, Matplotlib, Numpy, Pandas, PySpark, PyTorch, TensorFlow, Keras, BeautifulSoup, Scikit-Learn
Technologies & Tools: Docker, KNIME, Google Cloud Platform, Informatica, Snowflake, Microsoft Azure, AWS (S3, SageMaker, Redshift, Lambda), Google Analytics, FIGMA, DAX, Excel VBA, Power BI, Tableau, SAS, MySQL.

Education

The NorthCap University, Gurugram   **Oct 2020 – Jun 2024**

Bachelor of Technology. - CSE (Data Science)   *CGPA: 8/10*
Relevant Coursework: Object Oriented Programming, Applied Computational Statistics, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Deep Learning, Information Retrieval, Image   Processing, AI, Database Management, Software Engineering, Project Management.

Project Work

- **Lung Health prediction using Deep Learning (95% Accuracy):** Developed a project on lung health prediction on famous UNET architecture using image segmentation through CNN as deep learning model on TensorFlow, Pytorch and Keras. Used web scraping to get the data for online lookup. Python, Fast API.
- **HR Analytical Data: Employee Retention and Performance Analysis:** Utilised HR Analytical Data to conduct exploratory analysis and develop machine learning models for predicting employee attrition. Included Regression, K-Nearest Neighbours. Applied metrics like employee satisfaction and performance to support HR decision-making.
- **E-Commerce Sales Dashboard using Power BI:** imported data into MS SQL Server and Power BI, data modelling, building KPIs. It also explains creating background designs, connecting Power BI to databases and flat files, and building dashboards using Power Query Editor and DAX..
- **Mental Health at Workplace: Analysis and Prediction Models:** Performed analysis on workplace mental health data using Logistic Regression, Random Forest, and Gradient Boosting. Developed visualisations and models to predict mental health treatment-seeking behaviour based on work and personal factors.
- **Tableau Dashboard Employee Trends for Hiring:** Built an HR analytics dashboard. Key steps include creating data sources, designing charts, and constructing summary and detailed dashboards. The process also involves fine-tuning and adding design elements using FIGMA.
- **Bank Loan Financial Analysis using Tableau & SQL:** Extract, transform, and load data using SQL queries. Analysed and visualised the data using Tableau.

Certificates

- Coursera: Deep Learning and Neural Networks
- AWS: Machine Learning, Cloud specialisation.
- DSA certification in C/C++ and Java at Coding Ninjas.
- Certified-Data Analytics(SQL, Power BI) – ICT Honeywell.

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