VIPIN PARAMESWARAN

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WORK EXPERIENCE

Associate Python Developer , Turbolab Technologies **Oct 2022 - Mar 2024**

- 1.6 years of experience as a Python Developer, specializing in web scraping, RESTful API development, and data analysis.
- Developed and deployed Python scripts for web scraping, significantly enhancing data acquisition efficiency on the Scrape Hero Marketplace platform.
- Designed and implemented RESTful APIs using Docker with custom health checks, reducing data processing errors and improving performance monitoring.
- Utilized Python's Pandas library for data cleaning and quality analysis, transforming unstructured data into well-organized datasets, greatly enhancing data accuracy and reliability.

Internship Trainee cum Intern in AI-Data Science DDUGKY (NASSCOM Certified) **Apr 2022 - Sep 2022**

- Developed machine learning models in Python, R, and SQL, remarkably enhancing the efficiency of data collection from diverse sources.
- Applied advanced statistical analysis and machine learning to identify patterns and predict trends, enhancing decision-making.
- Delivered key insights via compelling Tableau visualizations, empowering stakeholders to make strategically informed decisions.

Accenture Data Analytics and Visualization Internship, Forage **Sept 2024**

- Analyzed and modeled datasets to uncover social media trends, providing actionable insights that shaped the client's strategy.
- Created and presented a PowerPoint deck and video presentation to effectively communicate insights.
- Applied advanced statistical modeling and data visualization, improving the client's engagement metrics.

SKILLS

- **Programming:** Python, SQL, R, DAX, Advanced Excel, DSA, HTML & CSS. *(**2Years**)*
- **Data Analytics:** ETL processes, Data pipelining & extraction, Exploratory, Statistical & Predictive Analysis, Data Visualization and Story Telling, Data Auditing. (***6 Months***)
- **Database Management:** MySQL, SQLite, PostgreSQL, DB2. (***6 Months***)
- **Data Visualization & Reporting:** Tableau, Power BI, Matplotlib, Seaborn. (***6 Months***)
- **Machine Learning:** Scikit-Learn, ML Algorithms. (***6 Months***)
- **Other Tools:** PowerPoint, Jupyter Notebooks, VS Code, GitLab, GitHub, Redis. (***2Years***)

EDUCATION

Bachelor of Technology in Mechanical Engineering **Jun 2017 - Aug 2021**

Cochin University of Science and Technology

- CGPA :- 7.91

Higher Secondary - Jawahar Navodaya Vidyalaya Palakkad. **Jun 2016**

CERTIFICATIONS

NASSCCOM Certified - AI - Data Scientist (SSC/Q8104) **Mar 2024**

- Achieved certification conforming to National Skill Qualifications Framework Level 8, demonstrating expertise in advanced data science methodologies and AI-driven solutions

IBM Data Science Professional Certificate - coursera **Aprl 2024 - June 2024**

- Completed a comprehensive, hands-on program covering Python, machine learning, data analysis, data visualization, and SQL, with practical projects that applied these skills to real-world scenarios.

Microsoft Power BI Desktop for Business Intelligence - udemy **July 2024**

- Completed a course on Microsoft Power BI Desktop, focusing on data import, transformation, and visualization. Gained expertise in creating interactive dashboards, using DAX for advanced calculations, and publishing reports for business intelligence

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PROJECTS

Paris Olympics 2024 Data Visualizations:

- Objective: Create interactive visualizations for the Paris 2024 Olympics.
- Tools: Power BI, Python.

Framingham Heart Study Analysis:

- Objective: Predict the 10-year risk of CHD using machine learning models.
- Tools: Python, Pandas, NumPy, Scikit-learn, Seaborn, Matplotlib, Plotly.

Bank Loan Approval Prediction:

- Objective: Predict loan approval status using classification models.
- Process: Data Collection, Wrangling, EDA, Interactive Visual Analytics, Predictive Analysis, Model Development, Evaluation, and Refinement.

FASTag Fraud Detection:

- Objective: Develop a machine learning-based fraud detection system for FASTag transactions.
- Algorithms: Linear Regression, Logistic Regression, SVM, Decision Tree, Random Forest, Naive Bayes, K-Neighbors, Polynomial Regression, Ridge Regression.

Maven Market Analysis Project:

- Objective: Analyze sales, revenue, and customer trends across multiple regions.
- Tools: Power BI, Excel, DAX.

DECLARATION

I hereby declare that the above information furnished by me is true to the best of my knowledge and belief.

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