PRANAV VERMA

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OVERVIEW

Versatile Data Enthusiast with 5.5+ years of experience in data visualization, data analytics, analytics engineering and data science. Expertise in building optimized dashboards, creating data warehouses from scratch, and developing machine learning models. Skilled in translating complex data into actionable insights, leveraging advanced analytics, automation, and machine learning. Proven track record in improving efficiency, automating processes and driving business growth. Continuously updated with industry trends and emerging technologies. Seeking to contribute to innovative, data-driven projects in a dynamic organization.

SKILLS

Data Analytics: Data visualization (Tableau, Power BI, Excel, Google Sheets), data modelling, data mining, data cleansing, web scraping, machine learning, statistics, quantitative analysis, funnel analysis, financial modelling, time series forecasting, classification algorithms, regression, Google Analytics, Looker Studio.

Data Science & Version Control: Predictive Modelling, Natural Language Processing (NLP), Generative AI, Large Language Models (LLM), Git, GitHub.

Programming: Python (NumPy, SciPy, Matplotlib, Pandas, Scikit Learn, Flask), R, Ruby.

Data Engineering: SQL, Snowflake, Amazon Redshift, ETL, ELT Tools (Airflow, DBT).

Cloud Platforms: AWS (EC2, S3, Lambda, Step Function, Amazon Batch).

Testing and Automation: A/B Testing, automation workflows, RPAs.

Soft Skills: Project management, problem-solving, presentation skills, writing skills, communication skills, interpersonal skills, critical thinking, analytical mindset, statistical thinking, flexibility, and responsibility.

WORK EXPERIENCE

Lead Analyst   05/2023 - Present
Emorphis Technologies   Remote

- Developed a data-driven solution using Generative AI and Large Language Models for FINRA, risk, and compliance team questionnaires, reducing processing time by 15%.
- Build an AI-powered chatbot using natural language processing (NLP) to handle customer inquiries, provide financial advice, and improve customer service resulting decrease in response time by 30%.
- Spearheaded the design and implementation of streamlined business insights, integrating advanced analytics tools to ensure smooth transitions of financial advisors, RIA, and FRIAs, reducing onboarding time by 20%.
- Achieved successful data migration for multiple acquired clients by conducting quality checks, data validation, and continuous monitoring, minimizing downtime from 6 hours to less than 2 hours.
- Led a team of 4 in the development of a data warehouse from scratch, fostering cross-functional collaboration, and completing the 1st phase on time and within budget.
- Pioneered the development of Power BI dashboards for revenue, client acquisition, and project budgets, empowering data-driven decision-making and improving project efficiency by 15%.

Senior Data Analyst   10/2021 - 04/2023
Reddoorz   Noida, India

- Developed a statistics data model with the data science team for property recommendations, achieving an 85% accuracy rate and increasing occupancy by 12%.
- Proposed and developed a unified employee data platform in collaboration with HR, improving non-IT departments' performance by 6%.
- Led the creation of centralized Tableau datasets, streamlining data access and boosting team productivity by 20%.
- Implemented advanced churn prediction algorithms and suggestion systems for user retention, achieving an accuracy rate greater than 90%.
- Designed self-served reports enabling self-service analytics across departments, reducing turnaround time for data requests by 12%.

- Partnered with business stakeholders to identify property performance, increasing acquisition of better properties by 5% and phasing out low-performance properties to boost profit.

Analytics Engineer   01/2021 - 09/2021
Reddoorz   Noida, India

- Proposed and implemented an automated daily reporting system delivering KPIs and performance metrics to leadership and strategy teams, enabling faster data-driven decisions.
- Extracted insights and trends from data to identify key factors impacting property retention, implemented targeted interventions, and achieved a 3% increase in property retention rate.
- Performed data validations and established an automated workflow for testing protocols compatible with DBT tests, improving data validation reliability and efficiency.
- Developed a scalable ETL pipeline utilizing Meltano, DBT, and Airflow, consolidating data from disparate sources and improving data access time for analytics and data science teams by 50%.
- Designed and implemented a data quality framework to systematically monitor and improve the accuracy, completeness, and reliability of data across all systems.

Backend Developer at VTOR LABS   08/2020 - 11/2020
Freelancing   Galway, Ireland

- Developed and maintained RESTful APIs to facilitate seamless integration between front-end applications and back-end services, enhancing overall system functionality and performance by 5 seconds.
- Conducted in-depth performance tuning and optimization of database queries, reducing response times and improving the overall efficiency of backend services.

Data Researcher   06/2019 - 06/2020
Freelancing   Galway, Ireland

- Implemented predictive analytics to identify the winning percentage of a team in upcoming football matches with an accuracy of 80%.
- Developed machine learning algorithms to evaluate the effectiveness of research experiments. Identified the optimal algorithms for various scenarios by checking their accuracy, and maximizing the value of research data.

Full Stack Developer   01/2017 - 05/2018
Ongraph Technologies Pvt. Ltd.   Jaipur, India

- Interpreted user activity data to identify website performance bottlenecks. Developed strategies and orchestrated these strategies, resulting in a 7.5% increase in e-commerce website sales.
- Designed and implemented microservices architecture for scalable and maintainable web applications, improving deployment flexibility and system robustness

EDUCATION

National University of Ireland   **Galway, Ireland**
Masters in Computer Science Data Analytics   2018 - 2019

RESEARCH PAPERS

- [Tamil Memes Classification Dataset](#)   ICACCS2020
- [Unsupervised Methods to Analyse EPL Football Team Playing Style](#) LREC2020

COURSEWORK

- Soft skills for data analytics manager from 365 data science   12/2023
- Data analysis with ChatGPT from 365 data science   12/2023
- Power BI with ChatGPT from 365 data science   11/2023
- Intro to ChatGPT and Gen AI from 365 data science   11/2023
- R for Data Analytics from Datacamp   10/2018
- Python for Data Analytics from Datacamp   08/2018