

Vinit Shetty

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• <https://github.com/vinitshetty16>

Insightful Data Scientist and Analyst with over 3.5 years of experience harnessing complex data to drive strategic decision-making and deliver impactful business insights. Specialities include Machine learning, Deep Learning, Statistical analysis, Data analysis & visualisation, Project management, Agile methodologies, Hypothesis testing, and KPI development.

Portfolio Website: <https://vinitshetty16.github.io/Portfolio-Website/>

SKILLS

Technical Skills:	Python, SQL, Excel, Hypothesis Testing, Descriptive & Inferential Statistics, Machine Learning, Deep Learning, Natural Language Processing, Azure, CI/CD Pipelines
Data Visualization & Business Intelligence:	Tableau, Power BI, Matplotlib, Seaborn, KPI Development
Project Management:	ERP Systems, Jira, Scrum & Agile Methodologies, Git
Professional Skills:	Problem-solving, Critical Thinking, Communication Skills, Team Collaboration, Project Management

WORK EXPERIENCE

iNeuron Remote

Machine Learning Intern

Aug 2024 – Present

- Performed end-to-end regression modelling, enhancing traffic volume prediction accuracy by 10% through effective data cleaning, preprocessing, feature engineering, model development, and ensemble optimisation.
- Built data ingestion pipelines using Cassandra DB via Astra DB, reducing data ingestion time by 20% and enhancing data retrieval speeds for traffic volume analysis.
- Deployed CI/CD pipelines on Azure Cloud using GitHub Actions for machine learning model deployment, ensuring streamlined version control and rapid iteration.

Chameleon Geelong, AU

Data Scientist

Nov 2022 – May 2023

- Directed the EV Charging Stations Forecasting Project using ensemble and classification machine learning algorithms, achieving 90% accuracy in demand predictions.
- Formulated a Use Case for Melbourne City Council, creating an interactive map application that integrates geospatial data to identify landmarks and food establishments, projected to increase foot traffic by 20%.
- Executed in-depth analysis of 20+ datasets, leveraging statistical techniques and producing impactful Tableau dashboards that informed strategic decision-making.

Thirdware Solutions (Tech Mahindra) Mumbai, IN

ERP Analyst

Jul 2018 – Jul 2021

- Consulted with 15+ Fortune 500 automotive and manufacturing clients, leveraging data-driven insights to achieve a 10% increase E-commerce adoption by streamlining data integration and transaction automation.
- Developed and implemented interactive Power BI and Python dashboards within ERP systems, providing real-time KPI tracking and reducing manual reporting by 40%.
- Spearheaded financial projects for JP Morgan Chase & Lloyds Bank, improving transaction efficiency and accuracy by 50% through translating business requirements into optimized ERP workflows.

ADDITIONAL EXPERIENCE

GWMI Group Geelong, AU

Administration Executive

Jun 2023 – Present

- Leveraged Excel's advanced capabilities, incorporating Charts, Graphs and Pivot Tables to optimize scheduling and manage an average of 50 daily inspection requests.
- Spearheaded initiatives to optimize the report generation process, reducing the average turnaround time from 48 hours to under 24 hours for delivering inspection reports.

PROJECTS

Self-Directed Project	Jun 2024 – Jul 2024
Maximising Taxicab Revenue with Hypothesis Testing	
<ul style="list-style-type: none">Analyzed 6.7 million US taxi trip records using Python and Pandas, revealing that credit card users had a 30% higher average fare than cash transactions.Performed hypothesis testing using a two-sample t-test, yielding a t-statistic of 169.21 and a p-value of 0.00, which led to the rejection of the null hypothesis regarding fare differences between payment methods.Visualized data distributions through Q-Q plots and histograms, effectively communicating findings that led to strategic recommendations, including a 30% increase in promotions for credit card transactions.	

Thesis Project	Nov 2023 – Mar 2024
Early Detection of Gait Disorders	
<ul style="list-style-type: none">Delivered a real-time MVP for gait disorder detection, leveraging LIDAR sensor data and Python-based visualizations (Flask, Matplotlib), improving detection accuracy by 15%.Combined sensor outputs, patient history, and environmental factors to build predictive models for gait abnormalities, achieving over 85% prediction accuracy (Pandas, Scikit-learn).Created custom features like gait speed variability and step asymmetry, enhancing predictive accuracy by 20% for disorders such as Parkinson's (NumPy, SciPy).	

EDUCATION

<ul style="list-style-type: none">Deakin University, Geelong (Australia) Master of Applied Artificial Intelligence (Professional)	Feb 2024
<ul style="list-style-type: none">Mumbai University, Mumbai (India) Bachelor of Engineering	Jun 2017

CERTIFICATIONS AND LICENSES

<ul style="list-style-type: none">SQL Intermediate Hacker Rank	Sep 2024
<ul style="list-style-type: none">Google Cloud Big Data Foundations	May 2024
<ul style="list-style-type: none">Azure ML Studio	Mar 2024
<ul style="list-style-type: none">Tableau 10	Mar 2024
<ul style="list-style-type: none">Microsoft DP-900 Certificate	Jun 2023
<ul style="list-style-type: none">Microsoft AI-900 Certificate	May 2023
<ul style="list-style-type: none">Quantium Data Analytics Virtual Experience Program	Oct 2022
<ul style="list-style-type: none">KPMG Data Analytics Virtual Internship	Sep 2022
<ul style="list-style-type: none">AI & Machine Learning Master's Program	Feb 2021