

Sumedh Wairagade

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EXPERIENCE

Data Analyst

Coders Data

Jan 2025-Present, Minneapolis, MN, USA

- Analyzed datasets and optimized cross-system workflows to enhance reporting and operational efficiency reducing deployment time by 40%. Validated 500K+ rows of financial and operational data across systems to support forecasting accuracy and enable 20% faster executive reporting turnaround.
- Resolved 30+ data discrepancies during month-end validation cycles, improving report output accuracy by 25% and reducing manual adjustments during financial close periods. Proactively identified issues in real-time environments, reducing downtime by 25% and maintaining system stability.
- Designed 15+ reusable data models and optimized Power BI datasets with JIRA-tracked workflow integration, reducing dashboard refresh delays by 35% across 3 departments. Improved scalability by approximately by 10%, enabling faster deployments and better model management.

Data Analyst Intern

Basey Insurance

Dec 2023-Jan 2025, Arlington, TX, USA

- Leveraged BI tools, Looker Studio and Tableau to create 4+ decision making templates based on data from social platforms, combining data from multiple sources with Supermetrics and PowerMetrics APIs, resulting in dashboards on critical business insights.
- Incorporated 20% increase in revenue through effective dashboards, providing improvements in campaign performance. Optimized tool selection process from the pool of 6 tools using A/B testing and product research methodologies, following smooth organization operations.
- Formulated robust pricing model with R, SQL, and advanced Excel, to enhance pricing accuracy, enhancing pricing accuracy and profitability margins by 10%.
- Performed regression and hypothesis analysis for campaign and pricing model. Enabled capacity planning in marketing, improved resource allocation efficiency by 18%.

Integrated Operation Engineer

AlphaXM

Mar 2020-Dec 2021, Nagpur, MH, India

- Delegated cross-functional teams, leveraged market research and performance monitoring to net 20% campaign effectiveness and streamlined workflows.
- Navigated innovative solutions to automate marketing campaign operations and integrating platforms, leading to a 10% decrease in time spent on manual tasks like Data Management and Analysis Modelling Techniques.
- Analyzed and interpreted data to deliver actionable business insights, contributing to improve overall operational efficiency and 25% boost in team productivity. Also led to strategize and design various marketing components, resulting in 2.4 times outreach traffic.

ML/AI Intern

ExpertsHub

Jun 2018-Jul 2018, Pune, MH, India

- Delivered predictive modeling application, 5 labeled classification model to analyze sentiment of tweets or reviews. Vectorized words and associated values.
 - Developed a probabilistic model using Binomial Distribution with Python and TensorFlow which enhanced predictions, achieving 5% gain in accuracy.
 - Examined data-driven models using hypothesis testing, refined model accuracy by 11% over a month, leveraged SciPy, Tensorflow, Keras, PyTorch.
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PROJECTS

Stock Price Prediction

- Designed and selected a Neural Network with LSTM layers, Dropout and Dense layers, achieving 86% accuracy in stock price forecasting.
- Acquired stock data using the Alphavantage APIs, pre-processed and scaled data to normalize it in range 0-1, improving consistency and reliability of model.
- Built and evaluated 4 prediction models based on different time frames (weekly, monthly, quarterly, yearly), enabling profitable long-term buy/sell decisions.

Generation and Optimization of Time-Table Using Genetic Algorithm

- Modeled AI application using agile methodology generating an optimized course timetable for University, coordinating with infrastructure and staff to schedule weekly 200+ classes, 50+ teachers, and 40+ subjects, added Soft and Hard Constraints in solution for higher accuracy.
 - Executed and fine-tuned Genetic Algorithm, improving scheduling efficiency by 13% and reducing computation time by 40%.
 - Tested 3 additional AI algorithms, including Constraint Satisfaction Problem and Heuristic Approach, also compared performances and ensured the highest accuracy in timetable generation.
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TECHNICAL SKILLS

- Shell scripting, Javascript, Python, R, MySQL, PostgreSQL, MongoDB, NoSQL, BigQuery, ETL Pipelining, CI/CD, PowerBI, Amazon Athena, Pandas, TensorFlow, PyTorch, NumPy, Matplotlib, Sci-kit learn, Agile Workflows, Distributed Systems, Advanced Excel, Google Cloud Engine, Data Flow, Google Analytics 4, Airflow, A/B Testing, PL Analysis, Forecast modeling, JIRA, Dataproc, AWS IAM, EC2, Glue, Redshift, Amazon S3.
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EDUCATION

Master of Science (Computer Science)

The University of Texas at Arlington - 3.5/4.0

- Course: Data Mining, Machine Learning, Game Theory & Data Analytics, Artificial Intelligence, Neural Networks, Parallel Processing.

Bachelor of Engineering (Information Technology)

Savitribai Phule Pune University - 7.23/10

- Course: Business Analytics & Intelligence, Social Media Analytics, Information Storage & Retrieval, Data Science & Big Data Analytics.
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CERTIFICATIONS

- Data-driven Decision Making - PWC, Coursera
- Business Analytics - Wharton University of Pennsylvania
- Introduction to Artificial Intelligence (AI) - IBM, Coursera
- Introduction to Programming using JS - Microsoft Tech. Associate