SAI PRAVEEN KUDAPA
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PROFESSIONAL SUMMARY

Innovative and detail-oriented **Data Analyst** with a master's degree in computer science and 2+ years of professional experience in developing enterprise applications, data analytics, and automation. Adept at contributing to all development lifecycle phases with a strong foundation in web technologies, cloud computing, and data-driven decision-making. Proven track record in developing cloud-based solutions, data transformation tools, and process automation, particularly within agile environments. Consistently delivers complex solutions that enhance client satisfaction and operational efficiency.

EDUCATION

Master of Science (MS)   12/2023
Major ~ Computer Science
Stevens Institute of Technology ~ Hoboken, New Jersey

SKILLS

- Programming Languages: JavaScript, Python, SQL, C#, HTML, CSS, Java
- Databases: MongoDB, MySQL, Oracle
- Data Analysis: Tableau, AB Testing, Data Visualization, Power BI, Business Intelligence
- Statistical Methods: A/B Testing, Predictive Analytics, Data Cleaning & Transformation
- Cloud Services: AWS
- Operating Systems: Windows, Linux, Ubuntu
- Version Control: Git, GitHub

WORK HISTORY

Data Analyst Intern   09/2024 to 12/2024
Abraham & Sons Leathers
Long Island, New York

- Automated data pipelines for Shopify and Zoey platforms, reducing manual reporting efforts by 30% and improving data consistency across teams.
- Designed and implemented custom dashboards using Tableau and Power BI, allowing real-time tracking of key performance indicators (KPIs) like sales, inventory, and customer behaviors.
- Integrated Shopify and Zoey data with internal systems through API connections, streamlining data flow and enabling more accurate performance tracking across departments.
- Analyzed customer purchasing patterns and sales trends using SQL and Python, helping to shape marketing campaigns and product pricing strategies that improved customer engagement.
- Conducted AB Testing to optimize marketing campaigns, identifying key conversion drivers and increasing conversion rates.
- Created detailed financial and sales reports using SQL, offering leadership insights into profitability, inventory turnover, and sales performance.
- Diagnosed and resolved data quality issues within Shopify and Zoey integrations, improving data accuracy by 20%.
- Provided data-driven insights to optimize customer retention and enhance overall customer experience, contributing to a 15% increase in repeat customers.

Full Stack Software Developer   08/2020 to 08/2022
Siva Sai IT Solutions
Hyderabad, India

- Designed interactive dashboards in Tableau and Power BI, enabling data-driven decision-making across multiple business units.
- Conducted SQL-based data mining to analyze key business metrics such as revenue growth, customer behavior, and operational efficiency.
- Developed ETL (Extract, Transform, Load) pipelines to clean and preprocess raw data from various sources for analytics.
- Led predictive analytics projects using Python and SQL, improving demand forecasting accuracy by 25%.
- Conducted A/B testing on marketing campaigns and product features, optimizing engagement rates.
- Implemented automated data validation scripts using Python and SQL, reducing manual data cleaning efforts by 40%.
- Developed automated reporting solutions in Tableau and Power BI, providing real-time insights on financial and operational data.

- Integrated AI-driven sentiment analysis for customer feedback, improving customer experience strategies.
- Engineered a secure HR module for employee management and payroll processing, using .NET MVC and Entity Framework.
- Built a real-time inventory tracking system with ReactJS and NodeJS, streamlining stock monitoring.
- Developed RESTful APIs for seamless data exchange between ERP modules and analytics dashboards.

PERSONAL PROJECTS
AI Personal Assistant
- Integrated ChatGPT API for natural and human-like interactions with advanced contextual understanding.
- Implemented Natural Language Processing (NLP) tools for intent recognition, text analysis, and sentiment detection.
- Developed responsive web and mobile interfaces with ReactJS and Material-UI for a modern, user-friendly experience.
- Utilized NodeJS for scalable RESTful APIs, incorporating AI model endpoints for real-time assistance and automation.
- Combined MySQL for structured data with MongoDB for flexible and seamless integration with AI features.
- Deployed on AWS with serverless Lambda functions for scalable and efficient AI model processing.
- Added AI-driven prioritization for Twilio-powered SMS alerts, reminders, and dynamic scheduling.

E-commerce Sales & Customer Behavior Analytics
- Designed and implemented a data-driven analytics dashboard to track customer purchase behavior and optimize marketing strategies for an online retail platform.
- Collected and processed structured and unstructured data from multiple sources, including Shopify, Google Analytics, and internal sales databases using SQL and Python.
- Conducted A/B testing on promotional campaigns, identifying high-performing strategies that increased conversion rates by 15%.
- Built interactive dashboards in Tableau and Power BI, visualizing key business metrics such as sales trends, churn rate, and customer segmentation.
- Applied predictive analytics models (linear regression, time-series forecasting) to anticipate demand fluctuations and optimize inventory management.
- Implemented customer segmentation using K-means clustering and RFM analysis, leading to personalized marketing campaigns and a 20% increase in repeat purchases.

ACHIEVEMENTS, CERTIFICATIONS & INTERPERSONAL SKILLS
- ✓ [AWS Associate Developer Certification](#) (Cid: 3bde13c3255b4fe0889234c817dc55f7) by Amazon.
- ✓ [Google Certified Data Analytics Certification](#) by Coursera.