

Adidam Vijay Venkata Sai Kumar

Personal Information



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Profile

I am an aspiring professional in the Data Science and Analytics domain. As a fresher, I have built machine learning models and performed data analysis on academic and personal project datasets across various domains such as healthcare, retail, and finance. I have hands-on experience in extracting meaningful insights from data using Python, SQL, and other data science tools. I am eager to apply my knowledge in real-world scenarios and contribute to data-driven decision-making in an organization.

Work experience

12/2024-03/2025

Business Operations Executive MyCaptain

- Handled operations for 5+ educational programs, ensuring 95% on-time delivery and boosting learner satisfaction scores by 15%.
- Simplified execution processes, reducing manual work by 20%.
- Developed performance tracking dashboards in Excel/CRM, reducing reporting time by 40% and enabling faster decision-making.

Projects

Advancements in Automated Tumor Detection Screening | Capstone Project

- Conducted comparative analysis of 3+ automated tumor detection techniques to evaluate diagnostic accuracy.
- Built and validated classification models for medical image analysis, achieving 85% accuracy in early tumor detection.

Data Analysis on Health Data | Machine Learning Project

- Performed classification, clustering, correlation, and regression analysis on healthcare datasets.
- Extracted insights using Python (Pandas, Matplotlib, Seaborn), improving prediction accuracy by 20% over baseline models.

Cab Booking System| Python & Java

- Developed a secure cab booking platform with user authentication and real-time tracking, reducing wait time by 30%.
- Implemented an admin panel for managing users, drivers, fares, and promotions, streamlining operations for scalability.

Skills

○ DATA SCIENCE AND DATA ANALYTICS:

- Hypothesis Testing
- Data Visualization
- Exploratory Data Analysis
- Insight Reporting with Python & SQL
- Data Cleaning & EDA

○ MACHINE LEARNING:

- Supervised Models
- Predictive Modelling
- Statistical Modelling
- Model Training & Validation
- Seaborn
- Feature Engineering
- Scikit Learn
- Model Scoring
- Matplotlib
- Feature Engine

○ OTHER TECHNICAL SKILLS:

- Requirement Gathering
- Stakeholder Management
- Business Process Re-Engineering
- Analytical Solution Design
- Process Automation
- Analytical Implementation

○ PROGRAMMING LANGUAGES AND TOOLS:

- Python
- SQL
- Power BI
- Tableau
- Jupyter Notebook
- R Studio
- Google Vertex AI
- Google Big Query

Education

2021 – 2025 Punjab, India	Computer Science and Engineering B. Tech Lovely Professional University <ul style="list-style-type: none">◆ Completed graduation with 66%◆ First Division with Honors.
2019 – 2021 Vijayawada, India	Science and Mathematics HSC Sri Chaitanya Junior College <ul style="list-style-type: none">◆ Secured an aggregate of 81% in 12th Board Exams.◆ Scored 92 Marks in Mathematics.
2018– 2019 Vijayawada, India	CBSE Atkinson High School <ul style="list-style-type: none">◆ Secured an aggregate of 76% in 10th Board Exams.

Certifications

- MyCaptain Certified – Data Analytics with Python
- Coursera Certified – Data Visualization with Tableau
- Coursera Certified – R Programming

Hobbies

- Playing Sports like Baseball and Cricket.