Adidam Vijay Venkata Sai Kumar

Aspiring Associate Engineer Trainee | Data Science & Analytics Enthusiast

👤 Personal Information

Date of birth: 28-06-2003
Nationality: Indian
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Python ★★★★★
Sql ★★★★★
Problem Solving ★★★

👤 Profile

Aspiring Associate Engineer Trainee with a background in Computer Science and hands-on experience in data analysis, machine learning, and software development. Skilled in Python, SQL, and analytical tools with a strong foundation in engineering problem-solving. Completed academic and personal projects across healthcare, retail, and finance, applying technical skills to deliver practical solutions. Eager to contribute to engineering and business operations while adapting quickly to diverse project requirements across industries.

💼 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%.
- Engineered Excel/CRM dashboards that reduced reporting time by 40% and accelerated decision-making.

🎓 Projects

Advancements in Automated Tumor Detection Screening | Capstone Project

- Conducted comparative analysis of 3+ automated tumor detection techniques to evaluate diagnostic accuracy.
- Designed 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

O DATA SCIENCE AND DATA ANALYTICS:

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

O MACHINE LEARNING:

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

O OTHER TECHNICAL SKILLS:

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

O 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** ◆ Completed graduation with 66% ◆ First Division with Honors.	
2019 – 2021 Vijayawada, India	**Science and Mathematics | HSC** **Sri Chaitanya Junior College** ◆ Secured an aggregate of 81% in 12th Board Exams. ◆ Scored 92 Marks in Mathematics.	
2018– 2019 Vijayawada, India	**CBSE** **Atkinson High School** ◆ 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.