AAKASH ALLORIA

Data Analyst

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PROFESSIONAL SUMMARY

I am passionate about computer science and data analytics and eager to learn and grow in these fields. I am particularly interested in machine learning and its potential for driving innovation. Keeping up with the latest technology is my priority as I aim to make meaningful contributions to the field. As a soon-to-be-graduate in BCA, I am looking to expand my knowledge to help me in my future experiences.

INTERNSHIPS AND PROJECTS

Airtel - Data Analyst

Gurgaon, India • 05/2024 - 07/2024

- Used advanced machine learning models to cluster customers with 90% accuracy
- Created an automated data pipeline that reduced data processing time by 15%, allowing for faster analysis and decision-making

Christ University - Traffic Wise

12/2024 - 03/2025

- Optimized Route Detection: Designed a local algorithm reducing route simulation time by 30%, improving navigation efficiency for 80% of users.
- Al-Powered Chatbot: Integrated a DeepSeek-R1 chatbot for navigation, increasing user engagement by 25% through real-time traffic insights.
- Enhanced Traffic Simulation: Developed real-time simulations improving decision-making accuracy by 40%, boosting overall user satisfaction.

Christ University - ArthSaathi

07/2024 - 12/2024

- Automated Transaction Categorization: Developed a module that automated transaction categorization, reducing manual processing time by 20% for a pilot group of 150 users.
- Al-Powered Financial Insights: Implemented a predictive analytics engine that improved budget forecasting accuracy by 15%, aiding users in making informed financial decisions.
- Enhanced User Engagement: Integrated interactive budgeting tools and gamification features, increasing user engagement by 20% and retention by 10% during beta testing.

Christ University - EcoTrack

12/2023 - 04/2024

- Created an e-commerce platform using Flask (backend) and HTML/CSS/JavaScript (frontend)
- Incorporated Machine Learning to forecast sales upon product addition, enhancing business planning
- Employed MySQL for robust data management, ensuring scalability and reliability
- Gained comprehensive experience in full-stack development and real-world ML integration
- 360DigiTMG Machine Learning Project

07/2023 - 09/2023

- Applied machine learning techniques to develop a fraud detection system utilizing transaction details
- Gained proficiency in exploratory data analysis (EDA) techniques to extract insights from financial data
- Acquired skills in data cleaning methodologies to ensure

high-quality input for machine learning models

- Utilized the **Streamlit** library for frontend
- Developed an understanding of fraud detection methodologies and their application in financial institutions

360DigiTMG - OCR Project

09/2023 - 01/2024

- Implemented PaddleOCR for text extraction from store bills, aiming to automate retail bill information entry
- Explored and experimented with various Python libraries to optimize text extraction accuracy and efficiency
- Developed proficiency in **preprocessing techniques** to enhance OCR performance on diverse store bill formats
- Used Streamlit to create a frontend for the project
- Gained insights into the challenges and best practices associated with OCR-based projects, particularly in the context of retail data processing

Discord Bot

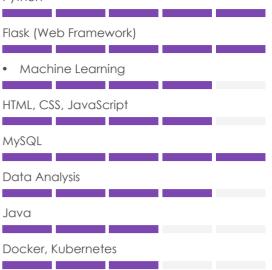
04/2021 - 12/2021

- Created a multifunctional Discord bot using Python Discord **API** and **Pycord** library Integrated features like music player, image handling, and
- **Spotify** scraping for enhanced user experience • Implemented database management to store and retrieve
- data efficiently
- Developed proficiency in asynchronous programming for managing complex tasks such as music queuing and playback

LANGUAGES

Python

SKILLS



EDUCATION

CHRIST (DEEMED TO BE UNIVERSITY)

Bangalore • 04/2021 - 01/2025

Bachelor of Computer Applications (BCA): Computer Science

DELHI PUBLIC SCHOOL, GURGAON

Gurgaon • 01/2014 - 01/2021

Physics, Chemistry, Math & Computer Science

Completed various projects using Python, such as Discord Bot

| CERTIFICATIONS

Store Bill OCR Project, 360DigiTMG 09/2023

Fraud Detection Project, 360DigiTMG 03/2023

Stock Market Analysis, Udemy 09/2021

Vigyantram Robotron, Abhyuday (2nd Place) 01/2020