

# 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 - TrafficWise

12/2024 - 03/2025

- Optimized Route Detection:** Designed a local algorithm reducing route simulation time by 30%, improving navigation efficiency for 80% of users.
- AI-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.
- AI-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

English

Hindi

## SKILLS

Python

Flask (Web Framework)

Machine Learning

HTML, CSS, JavaScript

MySQL

Data Analysis

Java

Docker, Kubernetes

## 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