ASHISH K AMIN

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SUMMARY

Passionate data enthusiast skilled in analyzing complex datasets, applying statistical techniques, and creating impactful visualizations using SQL, Python, Tableau, Power BI, and Excel. Completed Google Data Analytics Specialization and applied expertise during an internship at Unified Mentor Pvt Ltd through real-world data analysis and reporting. Currently expanding knowledge as a Trainee at Embtron India, exploring Django and web development alongside core data analytics. Pursuing B.Tech in Computer Science with a strong commitment to data-driven problem solving.

SKILLS

Languages   : C, Python.
Interface   : Django Framework, HTML,CSS
Database   : SQL, BigQuery
Tools   : UIPath Studio, Excel, Visual Studio, Tableau, Google Notebook, Anaconda ,Power BI

EDUCATION

Bachelors of Engineering – Computer Science & Engineering   2022-Present   CGPA:8.7

Mangalore Institute of Technology & Engineering

Senior Secondary (12th) - KSEEB   2020-2022   Percentage:95.8%

Secondary School (SSLC) - CBSE   2017-2020   Percentage:82.6%

INTERNSHIP

Unified Mentor | Data Analyst (Virtual)   December 2024 - February 2025
Project   : Targeting Markets for Banking Customer, Pizza Sales analysis, Netflix EDA
Technologies   : Jupyter Notebooks, Numpy , Pandas, Visualization

Embtron India | Software Engineer Trainee (Hybrid)   January 2025 - Present
Project   : Inventory Management using Django Framework
Technologies   : Django Fullstack framework

PROJECT

Bellabeat Case Study   June-2025

A case study project analyzing FitBit smart device usage data to generate actionable marketing insights for Bellabeat, a tech-driven wellness company for women. This case study follows a full data analysis process, leveraging public datasets to help Bellabeat refine their strategy and better serve their customers.

o   Trends in daily steps, sleep, and calories burned.
o   Correlations between various health behaviors.
o   Recommendations for product features or app improvements (e.g., motivational push notifications, sleep coaching, activity reminders).
o   Potential marketing strategies, such as targeting users based on activity or sleep patterns, and educational

campaigns to support healthy habits.

Targeting Markets for Banking Customer   October 2024

Developed a simple ML model to help banks identify and target potential customers more effectively for marketing campaigns. The model segmented users and predicted responsiveness based on key financial features.

o **Customer Segmentation:** Built a simple machine learning model to segment banking customers based on features like age, income, account activity, and transaction history.
o **Targeted Marketing Prediction:** Predicted the likelihood of customers responding to marketing campaigns, helping banks focus efforts on high-potential leads.
o **Model Simplicity & Deployment:** Used lightweight models (e.g., Logistic Regression or Decision Trees) for quick training and easy integration into marketing systems.

Rice leaf Disease Detection and Chatbot assistance   February 2025 – Present

This project combines AI-powered rice leaf disease detection using CNN with an intelligent chatbot assistant to support farmers with real-time agricultural guidance. It is designed for easy deployment using Docker, making it accessible and scalable across devices.

o AI-Based Disease Detection: Utilizes Convolutional Neural Networks (CNN) to automatically identify and classify diseases in rice leaves through image input, helping farmers detect issues early and accurately.
o Chatbot Agricultural Assistance: Integrates a chatbot (e.g., using ChatGPT) to provide real-time guidance, answering questions about disease treatment, farming techniques, and crop care in an easy-to-understand manner.
o Deployment & Accessibility: The system is Docker-enabled for easy deployment and scalability, ensuring it can be accessed by farmers or agricultural workers across platforms with minimal setup.

Inventory Management using Django Framework   January 2025 – Present

Developed a Django-based inventory system for managing electrical components with low-stock alerts and secure user access. The system included staff role management and streamlined inventory operations for Embtron India.

o Component & Stock Tracking: Built a system to efficiently manage electrical components, track inventory levels, and generate low-stock alerts for timely restocking.
o User & Staff Management: Enabled role-based staff management with authenticated login for secure access and operations monitoring.
o Robust Django Backend: Utilized Django's ORM and admin interface to streamline database operations, ensuring a scalable and maintainable backend architecture.

Django based Blog Website   December 2024

Designed and developed a dynamic blog website using Django for a freelance client, featuring user authentication and interactive post management.

o Custom Blog Management: Developed a fully functional blog platform with features like post creation, editing, deletion, categorization, and tagging.
o User Authentication & Interaction: Integrated secure login, registration, and commenting system to enhance user engagement and content control.
o Responsive & SEO-Friendly Design: Delivered a responsive front-end with SEO-friendly URLs and meta tags, ensuring better visibility and accessibility across devices.

COURSES & WORKSHOPS
- **Google Data Analytics Professional Certificate**, Coursera.
- **Microsoft Power BI Data Analyst**, Coursera.
- **Crash course on python by Google**, Coursera.

- **OpenCV course,** OpenCV.org

ACHIEVEMENTS & ACTIVITIES
- Participated in Hack Heist Capture the Flag (CTF) event, which was organized by the Computer Society of India and the Mangalore Institute of Technology and Engineering's Crypton Club.
- Participated in Bangalore Tech Summit,2023.

HOBBIES
Travelling, Playing outdoor games, Photography, Cinematography.