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SUMMARY

Motivated software engineer with hands-on experience in Python, Django, and SQL, specializing in building data-driven web applications and automation solutions. Passionate about applying machine learning and analytics tools like Power BI, Tableau, and BigQuery to solve real-world problems. Enthusiastic about continuous learning and creating efficient, user-centric digital solutions.

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

Rice leaf Disease Detection and Chatbot assistance	February 2025 – Present
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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.

- 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.
- 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.
- 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.

- **Component & Stock Tracking:** Built a system to efficiently manage electrical components, track inventory levels, and generate low-stock alerts for timely restocking.
- **User & Staff Management:** Enabled role-based staff management with authenticated login for secure access and operations monitoring.
- **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.

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

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.

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

COURSES & WORKSHOPS

- **Crash course on python by Google**, Coursera.
- **OpenCV course**, OpenCV.org
- **RPA and Automation**, UI path.
- **Google Data Analytics Professional Certificate**, Coursera.
- **Python Workshop**, Mangalore Institute of Technology and Engineering.

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.