Bagathi Dinesh Kumar

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About Me

A passionate Electronics and Communication Engineering graduate with expertise in Full Stack Development, Machine Learning, and Artificial Intelligence. Actively seeking an Entry-Level Full Stack Developer position to immerse myself in a challenging professional setting, grow my technical expertise, and contribute meaningfully to cutting-edge web development initiatives.

Internship Experience

Full Stack Developer — Jun 2023 – Jul 2023
METROLABS SERVICES PVT LIMITED — *Hyderabad, IN*

- Developed and maintained core functionalities of PANTS (Personalized Analysis and Nutrition Tracking System), a self-hosted nutrition tracker, enabling recipe comparison, calorie tracking, and meal optimization
- Integrated nested recipe structures, allowing dynamic nutritional recalculations across meta-recipes like meals and snacks
- Enhanced user experience by enabling recipe cloning with alternative ingredients, improving system's capability for nutritional and cost comparisons
- Technologies: Python, Flask

Projects

Customer Churn Prediction Using Machine Learning and Artificial Neural Network Algorithms — 2024

- Built and validated machine learning models for predicting customer churn and identifying at-risk customers to inform targeted retention strategies
- Compared proposed models with numerous machine learning methods frequently applied in churn prediction studies
- Contrasted model results using essential accuracy classification tools such as precision, recall, sensitivity, specificity, true positive rate, false positive rate, and AUC
- Technologies: Python

E-Commerce Website — Happy Carts — 2023

- Created an innovative E-commerce platform, enhancing user experience and driving online sales growth
- Engineered an innovative E-commerce platform, focusing on intuitive design and robust functionality
- Contributed to significant online sales growth by enhancing user experience and optimizing platform features
- Technologies: HTML, CSS, JavaScript

Technologies

Languages: Python, JavaScript, HTML, CSS
Technologies: React Framework, Machine Learning, Generative AI

Education

Aditya Institute of Technology & Management — Aug 2020 – Jun 2024
Bachelor of Technology in Electronics and Communication Engineering — *GPA: 7.27/10.0*

- Coursework: Electronics and Communication Engineering fundamentals, Programming, Signal Processing, Digital Communication

Certifications

AWS Academy Cloud Foundation: Amazon Web Services
PCB Design: APSSDC (2021)