# 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

GPA: 7.27/10.0

Bachelor of Technology in Electronics and Communication Engineering

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

# CERTIFICATIONS

AWS Academy Cloud Foundation: Amazon Web Services

PCB Design: APSSDC (2021)