

BALAVARDHAN REDDY MALYALA

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EDUCATION

Master of Science, Applied Computer Science, Southeast Missouri State University

Aug 2023 - Dec 2024

Bachelor of Technology, Computer Science and Engineering, IARE

Jul 2018 - May 2022

WORK EXPERIENCE

Assistant System Engineer, Tata Consultancy Services (TCS)

May 2022 - May 2023

- Developed a Flutter-based web application to support financial analysis across **17 branches** in Australia, enabling branch admins to effectively monitor and analyze detailed financial statistics. Created reusable **custom widgets** to enhance consistency and streamline development, boosting efficiency by **15%** with a team of 4 people.
- Developed and implemented interactive year-over-year loan revenue comparisons through **dynamic graphs**, allowing administrators to analyze quarterly data (Q1, Q2, Q3) for deeper insights, while leading UI design and frontend development to manage **login, authentication, profile, and dashboard components**, achieving 100% client **satisfaction** with a fully compliant interface.

Full-Stack Mobile Application Developer Intern, Chef Connect India (CCI)

Jan 2022 - May 2022

- Led a team for 2 people in developing iOS and Android apps using Flutter, Dart, and Firebase, overseeing the full app lifecycle, including frontend design, backend integration, and implementation of a chef booking system based on reviews and menu availability. Achieved 5,000+ downloads within two weeks on the Play Store.
- Enhanced decision-making for administrators through detailed analytics, achieving over 300 bookings within two weeks of app launch, while leading development recruitment to foster team management skills and securing a 4.8-star rating across 200+ user reviews.

Software Engineer Intern, Prometheus IP

Jun 2021 - Dec 2021

- Developed an efficient backend for the patent portfolio platform, streamlining portfolio management capabilities.
- Developed single-page applications with Node JS and RESTful APIs via Express.js, upholding data accuracy and integrity in PostgreSQL, which led to a 70% reduction in errors and an improved user experience.

PROJECTS

Java-based Employee Management System:

Created in **IntelliJ IDEA** with a **MySQL** backend, provides an intuitive interface for handling employee records. It features a splash screen and secure login, leading to a **dashboard** where users can add, view, update, and delete employee details, streamlining HR tasks and maintaining accurate **data management**.

Portfolio Webpage

Developed a responsive React portfolio site to showcase verified project details, education, and **rated skills**, featuring **custom styling** and **interactive elements** that enhance **user engagement** and highlight expertise.

AWS Project

Developed and hosted a webpage using **AWS services**, leveraging **EC2** for hosting, **S3** for storage, and **RDS** for **database management** to ensure scalability and high availability.

Parking App

Created a parking locator app using **Flutter**, **Dart**, and **Firebase**, allowing users to book slots based on availability and integrating **Google Maps** and **Cloud API** for location tracking.

IARE Fest App

Led the development of a college festival app using **Flutter**, **Dart**, and **Firebase**, facilitating registration and achieving over 1,000 downloads within three days of launch on Google Play.

SKILLS

Programming: Java, Python, JavaScript, Dart, C, C++

Mobile/Web Technologies: Flutter, React, Express JS, Node JS, HTML, CSS

Cloud Platforms: Google Cloud, AWS (EC2, S3, RDS, Lambda), Oracle

Database: MySQL, MongoDB, Firebase, PostgreSQL

Software/Tools: Git, GitHub Desktop, Jira, Jupyter Notebook, Visual Studio Code, IntelliJ