# Adithya Suresh Babu

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## EDUCATION

**University of Central Florida**      **May 2024**
*Master's in Computer Science*      *Orlando, FL*

**Anna University**      **Jul 2016- Sep 2020**
*Bachelor's in Computer Science and Engineering*      *Chennai, IN*

## WORK EXPERIENCE

**Graduate Teaching Assistant**      **Oct. 2022 – Present**
*University of Central Florida*      *Orlando, FL*
- TA for Introduction to C Programming and Software Engineering.

**Associate Software Developer**      **Nov 2020 -Jun 2022**
*Tata Consultancy Services*      *Chennai, IN*
- Enhanced revenue by 2% through the strategic design of a telecommunications application upgrade, offering a complimentary 5G network upon device purchase for both existing and new customers, utilizing JAVA(SpringBoot).
- We conducted automated testing using Selenium, identifying and rectifying an issue where the new offer was not being applied to new customers, ensuring seamless implementation and maximizing revenue potential.
- Effectively Mitigated a critical 10% revenue loss risk by resolving SIM card issuance process issues, enabling smooth customer number porting via Splunk-based intervention, thereby enhancing customer satisfaction and revenue retention.
- Improved user engagement and revenue by 15% through frontend enhancements using React and TailWind CSS, along with creating targeted advertisements for new offers on the website.
- Recognized with an award for "Best Crisis Solver on the Spot" for mitigating a critical issue.

## PROJECTS

**Full Stack Projects:**
**Workout Tracker:** Employs MySQL, React., and NodeJs for user authentication and data management, accommodating over 1000 users. It offers features to seamlessly add and remove workouts from a comprehensive database of 100+ GYM exercises, including detailed instructions for user convenience.

**Luxe Clothing's:** React and NodeJs-driven E-Commerce platform, powered by MongoDB seamlessly manages user accounts, payment information, and product catalog, supporting diverse payment options and intuitive browsing across sections for men, women, and kids.

**Instagram Clone(FakeGram):** Built with React, Node.js, and MySQL, allowing users to upload and share images, follow other users, and interact with posts, leveraging MySQL for database storage and React for dynamic front-end interfaces.

**Website Portfolio:** Designed and developed an interactive portfolio website from scratch utilizing React.js and CSS.

**Machine Learning Projects:**
**Music Recommendation:** Created a Music Recommendation Model using a Spotify playlist using CNN and Semantic Intensity Analyzer.

## TECHNICAL SKILLS

**Programming Languages:** C/C++, Java, Python
**Front-End Technologies:** JavaScript(ES6), HTML5, CSS, ReactJS
**Back-End Technologies:** Spring Boot, ExpressJs, NodeJS
**Databases:** MySQL, MongoDB
**Cloud Technologies:** AWS( S3,EC2,. Lambda, CloudFront, CloudFormation)
**Tools & Software:** Git, Github, VSCode, Atom, Google Colab, RestAPI's, IntelliJ IDE.