

Aditi Nair Balachandran

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EDUCATION

University of North Carolina at Charlotte

Charlotte, NC, United States

Master of Science (MS) in Computer Science GPA: 4.0/4.0

(Expected) May 2021

- Teaching Assistant for ITCS 2214 Algorithms and Data Structures (JAVA), Fall '20
- **Relevant Courses:** Algorithms and Data Structures, Mobile Application Development, Web Application Development, Cloud Computing, Intelligent Systems, Big Data Analytics for Competitive Advantage, Computer Networks

Sree Chitra Thirunal College of Engineering, Trivandrum

Kerala, India

Bachelor of Technology in Computer Science, GPA: 3.6/4.0

Jul 2018

- Internship at Tata Consultancy Services (TCS)
- **Relevant Courses:** Cryptography and Network Security, Neural Networks, Computer Graphics, Data Mining, Database Design

SKILLS

Languages: 20,000 lines: Java | 5,000 lines: C++ | C, Python

Web: HTML, JavaScript, TypeScript, Angular, React, Node

Tools: Git, Visual Studio, Android Studio, Eclipse

Databases: MySQL, Firebase, MongoDB, SQLite

Operating System: Windows, macOS, Android, Linux

EXPERIENCE

Suntec Business Solutions

Software Development Engineer

Kerala, India | Aug 2018 - Dec 2019

- Introduced **Service Price List feature** after consulting with multiple international clients regarding specific requirements
- Analyzed and fixed critical bug fixes with **100% FTR (first time right)**; Configured product specific to each client and ensured product delivery on-time with **97% FTR**
- Responsible for enhancement and documentation of front-end and back-end **Customer Account feature** of the web application
- **Tools & Technologies:** Maven, JavaScript, JAVA, Oracle SQL, PostgreSQL, MariaDB, Eclipse, GIT, JBoss

Tata Consultancy Services

Intern

Kerala, India | May 2017 – Aug 2017

- Developed a Cognitive Intelligent system implementing **Robotic Process Automation** for automated data entry through UI
- Incorporated **Image processing** with OpenCV and Optical Character Recognition for processing data and recognizing UI fields; Automation techniques applied with WinUser.h library for robotic data entry
- Achieved **98% increase** in efficiency as opposed to manual entry in performance testing with controlled variables
- **Tools & Technologies:** C#, C++, Visual Studio Code, MySQL

PROJECTS

Indoor Navigation System for Firefighters

SCTCE, Feb 2018 – May 2018

- Coordinated a team of 3 to design, develop and test an indoor navigation mobile application in JAVA customizing Dijkstra's Algorithm to find nearest exit; Current location determined by triangulation method with RFID tags

Weather Forecast App using REST APIs

UNCC, Spring'20

- Created a mobile application in JAVA providing weekly forecast of any city using Accuweather API for location, current conditions, forecast and weather icons; Lists and RecyclerViews used to display saved cities and forecast of each

Personal Budget: Web App

UNCC, Fall'20

- Designed and implemented a web application for keeping track of expenses against budget, displayed graphically using Angular, Node.js, CSS, Bootstrap, Chart.js, MongoDB; Deployed using GIT and Digital Ocean

ACCOMPLISHMENTS / EXTRACURRICULARS

Amazon Web Services (AWS) Cloud Practitioner Certification | Member of Computer Society of India (CSI)