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, Network Based Application Development, Intelligent Systems, Big Data Analytics for Competitive Advantage, Knowledge Discovery in Databases, Cloud Computing.

Sree Chitra Thirunal College of Engineering, Trivandrum   Kerala, India
Bachelor of Technology in Computer Science, GPA: 3.6/4.0   **July 2018**
- Internship at Tata Consultancy Services
- **Relevant Courses:** Object Oriented Design and JAVA Programming, Computer System Architecture, Database Design

SKILLS

Languages: *20,000 lines*: Java | *5,000 lines*: C++ | C   **Databases**: Oracle SQL, Firebase, MongoDB, PostgreSQL
Web: HTML, JavaScript, TypeScript, Angular, React, Node.js   **Operating System:** Windows, macOS, Android
Tools: Git, Visual Studio, Android Studio

EXPERIENCE

Suntec Business Solutions
Software Development Engineer   Kerala, India | August 2018 - December 2019
- Part of an integrated team responsible for development and maintenance of the front-end and back-end of a customer-friendly user interface web application. Handled multiple clients' and resolved issues promptly with **100% FTR (first time right)**.
- Member of a dedicated team responsible for configuration of the product based on requirements of a new client. Product delivery completed on-time with **97% FTR**.
- Worked with a team managed by the CEO responsible for assurance and completion of proper documentation of files under TPE (Transaction Processing Engine) of the product.
- **Tools & Technologies**: Maven, JavaScript, JAVA, Oracle SQL, PostgreSQL, MariaDB, Eclipse, GIT, JBoss.

Tata Consultancy Services
Intern   Kerala, India| May 2017 – Aug 2017
- Developed and tested the front-end and back-end of a Cognitive Intelligent system that implements Robotic Process Automation for automated data entry through UI.
- Used Optical Character Recognition to get data from various files and Image processing, implemented with OpenCV, to find corresponding fields in the UI. Data entry done using automation techniques with WinUser.h library.
- Performance testing with controlled variables showed an increase in **96% efficiency** as opposed to manual entry.
- **Tools & Technologies**: C#, C++, Visual Studio Code

PROJECTS

Indoor Navigation System for Firefighters   SCTCE, Feb 2018 – May 2018
- Led a team of 3 to design, develop and test an indoor navigation mobile application in JAVA which implements Dijkstra's Algorithm to find the shortest path to the exit from the current location, determined with RFID tags.

Weather Forecast App using Accuweather API   UNCC, Spring'20
- Developed a mobile application in JAVA which uses Accuweather API for location, current conditions, forecast and weather icons to display 5 days of daily forecast of cities saved by the user displayed using RecyclerViews and lists.

Personal Budget: Web App   UNCC, Fall'20
- Designed and developed a web application for maintaining personal budget using Angular, Node.js, SCSS, Bootstrap, Chart.js. Backend was implemented using MongoDB and deployed using GIT and Digital Ocean.