Aditya Bhamidipati

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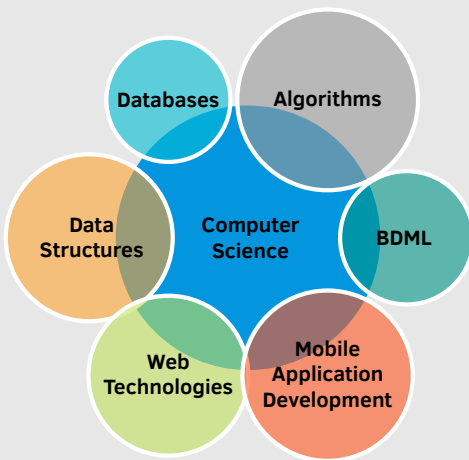
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🌐 Portfolio

Education

Master's Computer Science (GPA: 3.89)
Georgia State University
Dec '20 | Atlanta, Georgia, US

B.Tech CSE (GPA: 3.7)
Mahatma Gandhi Institute of Technology
2013 - 2017 | Hyderabad, India

Core Competencies

Overview

Programming

Python • Java • Android • Golang

PHP • Javascript • React • Flask

REST Services • AWS • Firebase

Spark • Hadoop • Machine Learning

Experience

Graduate Research Assistant   Sept 2019 - Present
Graduate Teaching Assistant   Georgia State University, Atlanta

- Working on web development of 10+ modules in Online Graduate Management System of GSU for student, faculty and staff under Director of Computer Science.
- Designed a web GUI architecture of Telegram-app to detect spam messages and group them for analysis for Criminal Justice department at GSU
- Tutored 3 Data Structures laboratory sessions of 20+ students each and worked as chief grader, managed 5 TAs.

Full Stack Developer   Mar 2017 - July 2019
Associate Engineer   Kony India Pvt. Ltd., Hyderabad

- Improved Sync and Connection manager services by 25% and implemented 2+ secure and robust Rest API's to perform CRUD on database models for Mobile Fabric
- Optimised identity scanning and Facial Recognition by 33% through business adapters, Jumio and Gemalto, on camera API
- Received "Pat on the back" award for integrating enterprise systems like AWS S3 adapter for image upload/download with Mobile Fabric
- Worked on responsive web development for iOS/Android and desktop on 5+ modules for clients like TDECU, EHS etc., in Kony Digital Banking Suite

Projects

HackGSU - Bungee (Fall '19)   [Android, ML, REST Services, Firebase]

- This Android app uses frequency of places most visited by a user, by their timeline and their bank transactions, and then uses a zip code in new location to find the most suitable living location based on accessibility of users favourite places.
- Presented at HackGSU '19 for **NCR Corp** (using their services, analysing 1000+ bank transaction data) and finished 4th position.

Nutrimate (Fall '19)   [Android, SQLite3, REST services]

- This Android app, consisting of 5+ use cases, will be able to aide users by providing them with the necessary components, gathered from the Nutrition database (having 50000+ instances) provided by U.S department of agriculture, needed to maintain a healthy diet while still being able to enjoy their favorite food produce.
- This app works by having the user input their body weight, height, and goal weight and then evaluates the amount of calories needed, by suggesting meals to be consumed, to either be in a caloric deficit or surplus to meet the user's goals.

College Management System (Summer '16)   [PHP, JS, JQuery, HTML5, CSS3, MySql]

- Online Fee management system - Which is used by 1000+ students of my college to access their academic standings, apply for shcolarships, pay fees, register for classes and much more.
- Online Salary management system - Which is used by 200+ faculty/staff of the college to view/update the academic standing of students, approve/disapprove assignment submissions and much more. It also offers an online portal where staff can generate their payslips.
- Recognised by chairman, deployed at college server and been in use since Fall '16

Safest Paths through Corona affected regions (Spring '20) [Python, Tableau, Kaggle]

- An algorithm that can give safest path from source to destination for corona affected regions in the city map of Georgia with 150+ counties.
- Implemented using Dijkstra for offline and A* for online sync strategy on novel COVID-19 data provided by John Hopkins university.

YouTube Comment Analysis (Spring '20)   [Python, Apache Spark, Tableau, Kaggle]

- Classified 100000+ YouTube comments over a distributed system, Analysed correlation between comments with likes, views and tags to establish the video polarity.
- Performed Exploratory data analysis, Data cleaning and Feature engineering and achieved 89% accuracy.