

Aditya Bhamidipati

Master's Student at
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aditya-bhamidipati



ab07max



Portfolio

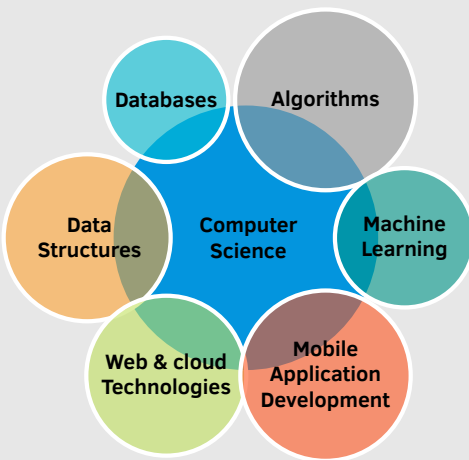
Education

Master's Computer Science (GPA: 3.94)
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 • PHP

Node • Javascript • React • REST

Azure • AWS • Firebase • Heroku

Spark • Hadoop • Machine Learning

Experience

Graduate Research Assistant
Graduate Teaching Assistant

Sept 2019 - Present
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
Associate Engineer

Mar 2017 - July 2019
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
- Optimized 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
- Experienced Working on responsive web development for iOS/Android and desktop on 5+ modules for clients like TDECU, EHS etc., in Kony Digital Banking Suite

Projects

Digital Learning Market (Master's project)

[React, Express, Node, Mongo DB]

- A Business Solution/ online learning application implementing "Pay as you learn" strategy between users/ mentors with payment integration stripe (cards, alipay and bitcoin) targeted for distant learning during COVID-19.
- In production on Heroku, Firebase servers for performance evaluation.

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, Tableau, Kaggle]

- Classified 100000+ YouTube comments over a distributed system, Analysed correlation of comments with likes, views and tags to establish the video polarity and performed EDA, Data cleaning and Feature engineering to achieve 89% accuracy.

Parallel pagerank evaluation (Spring '20)

[CUDA, C, C++, Bash]

- Developed a parallel page rank algorithm on a google web dataset of 0.8M vertices and 5.1M edges executed on high performance servers. Achieved 58% better efficiency compared to the sequential PageRank implementation.

HackGSU - Bungee (Fall '19)

[Android, Machine Learning, 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.
- Winner at HackGSU '19 for best developer portfolio pages award.

Nutrimate (Fall '19)

[Android, SQLite3, REST services]

- Android app able to aide users achieve nutrition goals by data gathered from Nutrition database of 50000+ instances provided by U.S department of agriculture.
- Works by having the user input body weight, height, goal weight and then suggests meals to be consumed, to either be in a caloric deficit or surplus to meet the goals.

College Management System (Summer '16)

[PHP, JS, JQuery, HTML5, CSS3, MySQL]

- Web application with 1000+ users of college to access academic standing, assignment submissions, generate paychecks, class registration and much more.
- Recognised by chairman, deployed at college server and been in use since Fall '16