

# AKHILESH ANAND

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## EDUCATION

**M.S in Software Engineering**, FALL 2020

San Jose State University, San Jose, CA

**B.Tech in Computer Science & Engineering**, August 2018

GPA 3.7

Amrita Vishwa Vidyapeetham, Bangalore, India

## TECHNICAL SKILLS

**Programming:** Javascript, Java, Java8, Android (Java), HTML, C, C++, C#, CSS, CSS3

**Frontend Frameworks:** React, AngularJS

**Backend:** NodeJS

## PROJECTS

**HomeAway Clone, SJSU, Fall 2018**

- Successfully developed a **React-Redux** based clone of the HomeAway website.
- Architected a **NodeJS API Server**. Used **MongoDB** as database.
- Used **GraphQL** to simplify API calls and Implemented **Apache Kafka** topics-based message queuing mechanism between DB access and backend server layers to handle heavy loads.

**The Aarohan Event Management System, Amrita Vishwa Vidyapeetham, Fall 2017**

[https://github.com/akhileshmalini/AarohanRegistration\\_2017](https://github.com/akhileshmalini/AarohanRegistration_2017)

- Engineered the entire student registration and monitoring system for college fest with 3000 participants.
- Implemented a **NodeJS** based web application with **EJS** components and the **Firebase Realtime Database** to handle participant registration.
- Integrated an **Android Application** to allow for event registrations with QR Code Scanning.
- Built an Admin Panel to track real time statistics and feedback system to gain metrics for future events.

**itsMyAmrita, Amrita Vishwa Vidyapeetham, Spring 2017**

<https://github.com/akhileshmalini/itsMyAmrita>

- Overhauled the aged official android application off Amrita Vishwa Vidyapeetham with dynamic content, news feeds and push notifications.
- Built and admin panel with **AngularJS & NodeJS** for various student forums to publish content and allowed them to send push notifications

## RELATED EXPERIENCE

**Intern Bachelor**, Honeywell Technology Solutions Lab Pvt. Ltd. *Bangalore, India*

**January - July 2018**

- Improved application response time by introducing data caching with Redis for application data and gained a 98% performance improvement.
- Evaluated potential replacements to Service Bus to reduce complexity and increase throughput.
- Implemented Message Queues using RabbitMQ to prevent message loss and scale system.
- Researched the migration to Apache Kafka to make the web application more performant.

**Chairperson, Forum for Aspiring Computer Engineers** Amrita Vishwa Vidyapeetham. **Fall 2016 - Fall 2017**

- Chaired a group of handpicked students to run the student body of the computer science department
- Served as Head of the ACM and CSI Student Chapters. Lead Student Organizer @ ACM ICPC Asia Amritapuri Regionals 2016
- Conducted multiple beginner Workshops on Android App Development and Web Development to get students interested in development & directed several student developer consortiums for events.

**Software Engineer Trainee**, Instavans Inc., *Bangalore, India*

**May - July 2016**

- Automated Message Blasting with simple NodeJS Application and PlivoAPI for Sales Team.
- Wrote data parser with Java to read custom file format for shipping logs.
- Wrote website scraping script with selenium in python to gather customer data from websites.