JAYASURYA PINAKI

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EDUCATION

San Jose State University (3.56 GPA)   Aug 2019 – May 2021
Master of Science in Software Engineering
BMS Institute of Technology & Management   Aug 2014 - Jun 2018
Bachelor of Engineering in Computer Science - Graduated with First Class and Distinction

EXPERIENCE

Tally Solutions Pvt Ltd   Jul 2018 – Jul 2019
Software Development Engineer 1
- Designed a system to apply rules of Goods and Service Taxes given by Govt. of India into transactions done by a customer using ERP software built by Tally.
- Responsible for creating python scripts to test modules developed along with validating scenarios in user stories.
- Played a key role during multiple sprint releases for which "Star of the quarter – OND 2018" was awarded.

Aricent Technologies   Jan 2018 - Jun 2018
Intern/Trainee
- Responsible for migration of Java code by ensuring dependencies are intact.
- Validated values and requests received by the application and perform web penetration testing.

PROJECTS

Grubhub simulator   *NodeJS, ExpressJS, ReactJS, Redux, Bootstrap, MongoDB, Kafka*
- A replica of Grubhub, where customers can place an order, view past orders and status of upcoming orders. This status is updated by respective owner of a restaurant.
- Chat service was also provided for user to communicate with restaurant owners.
- The project was deployed on AWS EC2 instance, RESTful services were used to interact between client and server.

Twitter Replica — Team of 5   *NodeJS, ExpressJS, ReactJS, Bootstrap, MySQL, MongoDB, Redis, Kafka*
- Replica of Twitter, social networking service implemented as a 3-tier distributed application.
- Registered users can post tweets and retweet tweets. User feed is shown based on their follow lists.
- Users also have a dashboard where different types of graphs are present to display statistics based on their tweets.
- Deployment done as a distributed system and SQL caching was done using Redis.

Registration Application   *PHP, MySQL*
- A web-based application for registering participants into various events of the College Fest. Multiple reports were generated based on participants details.
- The system also sent reminders and useful information via text SMS to participants and organizers for smooth hosting of events.
- This application had over 1000 active users during the fest. It was hosted on DigitalOcean droplet which was linked to a domain name.

Image Grading Application to Detect Tuberculosis — Team of 4   *Python, Flask*
- A web-based system capable of analyzing and grading images of ZN stained slides by detecting bacilli present in a given slide with an accuracy of 80%.
- This was achieved by using K-Means algorithm, contours and canny edge detection methods.

TECHNICAL SKILLS

Languages   : Python, NodeJS, PHP, HTML, CSS, Javascript, C, C++
Databases   : MySQL, MongoDB
Framework   : ExpressJS, ReactJS, Flask framework, Redux
Other tools and services : Git, AWS, Bootstrap, Kafka