Stephen Paul Adithela

http://stephenpaul.us
stephenpaul2727@gmail.com | 812.955.1395

EDUCATION

INDIANA UNIVERSITY
MS IN COMPUTER SCIENCE
Expected May 2018 | Bloomington, IN
Cum. GPA: 3.7

GITAM UNIVERSITY
BTECH IN COMPUTER SCIENCE
May 2016 | Visakhapatnam, India
Cum. GPA: 3.96 / 4.0

LINKS

Github:// **stephenpaul2727**
LinkedIn:// **stephenadithela**

COURSEWORK

Software Engineering
Object-Oriented Software Design
Operating Systems
Data Structures and Algorithms
Science Gateway Architecture
Database Design
Big Data
Data Mining
Machine Learning
Compiler Design

SKILLS

PROGRAMMING
Over 5000 lines:
Java • Shell • PHP • JavaScript
Over 1000 lines:
Python • C

DATABASES
MySQL • PostgreSQL • Mongo DB

BACKEND
Spring Boot • Django • Laravel
Node JS • Docker • RabbitMQ
AWS • Kubernetes

FRONTEND
HTML/DOM • Vue JS • jQuery
React JS • CSS • Angular JS

OTHER
REST • GIT • Linux
SOA • Junit • Mockito

EXPERIENCE

UITS | INFORMATION TECHNOLOGY INTERN
Dec 2016 – Present | Bloomington, IN
- Working with science gateway research team to develop new modules for Apache Airavata framework.
- Developed a groups application module which will enable Airavata end users to create new groups and manage groups.
- Integrated wagtail CMS and customized wagtail to make researchers choose various themes and manage content across their site seemlessly.

IU COMMUNICATIONS | WEB DEVELOPER
June 2017 – Dec 2017 | Bloomington, IN
- Worked with the Communications team who maintain highly available sites for all schools of Indiana University.
- Developed Laravel based admin dashboards for easy database management and tested those web applications.
- Developed an API to transform large XML datasets to storable formats and fixed bugs in the production servers.

UITS | INFORMATION TECHNOLOGY INTERN
Dec 2016 – May 2017 | Bloomington, IN
- Worked with Enterprise Systems team to redesign a core application called Action List as a hybrid application using React Native.
- Contributed to developing a secure gateway API using Open JPA and Spring Framework to serve data from IU Servers.
- Wrote test cases for every component using Enzyme, chai and configured Travis CI to automate the testing process.

RESEARCH

HOMESHARE ADVANCED RESEARCH | RESEARCH ASSISTANT
Aug 2017 – Feb 2018 | Bloomington, IN
Integrated Fitness Trackers and Home Sensors data into an Angular web application to analyze older adults everyday statistics. Developed REST endpoints for Mobile Application as well as the web applications.

PROJECTS

MEDION Aug 2016 – Jan 2017 | Bloomington, IN
- Developed a native android application which finds a restaurant at an effective distance from each group participant.
- Implemented an API server which calculates effective median, uses Google API's and serves restaurant data.

AIRAVATA PORTAL Aug 2017 – Jan 2018 | Bloomington, IN
- Open source contribution to Apache Airavata Gateway Portal by closing 6 JIRA issues which are deployed to production.
- Fixed potentially major project blocking bugs in production which lets end-users disrespect the gateway allowed values.