

Stephen Paul Adithela

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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

- Developing a Django-Vue based Airavata portal for researchers which fixes major problems of the existing PHP based portal.
- Integrated CMS functionalities into the portal to enable gateway clients who leverage Airavata API easily manage content across the site.
- Enabled access control by integrating with Airavata Middleware KeyCloak and added scripts which will dynamically load a site theme.

IU COMMUNICATIONS | WEB DEVELOPER INTERN

June 2017 – Dec 2017 | Bloomington, IN

- Worked with the Communications team to 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

Homeshare is an NSF Funded health research to evaluate, design and develop pervasive home-based technologies for aging-in-place. Under the guidance of Prof. Katherine Connelly, I developed an evaluation framework for researchers to extract, view and study data from Home Sensors and activity monitors used by older adults.

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.