

ABHILASH UPADHYA

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EDUCATION

Stony Brook University

Masters in Computer Science

(Analysis of Algorithms, Asynchronous Systems, Artificial Intelligence, Computational Biology)

Stony Brook, NY

Grad: Dec 2018

B M Sreenivasaiah College of Engineering

Bachelors in Information Science *GPA: 9.47/10 (rank 3 of 130)*

Bangalore, India

Grad: Jun 2015

EXPERIENCE

TEKsystems Global Services

Software Engineer

Hyderabad, India

Jul 2015 — Jun 2017

- Developed and maintained Java integration services - APIs, webservice, and interfaces - to integrate enterprise applications, web applications, cloud services, and other backend systems.
- Built integration modules using middleware technologies like Apache Camel, APIGEE, and SoftwareAG webMethods.
- Designed Business Process Management(BPM) models for over three end-to-end web and enterprise integrations.
- Development followed Continuous Integration and Agile Software Development methodologies.

ClickSaint (Startup)

Software Development Intern

Bangalore, India

Feb 2015 — May 2015

- Lead a technical team of five, for a duration of two months.
- Developed a scalable, secure backend system for ClickSaint's mobile applications using Java, MySQL and MongoDB.

SKILLS

Languages: C, C++, Java, Python, PHP, Scala, JavaScript, SQL
Frameworks: Apache Camel, Apache Lucene, Apache Spark, PHP Laravel
Tools: APIGEE, DistAlgo, webMethods, Oracle Fusion Middleware

PROJECTS

Recommender Systems Framework

(Apache Spark, Python, Scala, MongoDB)

Undergraduate Thesis Project: A hybrid personalized Recommender Engine built using the Statistical Relational Learning (SRL) approach. The engine combines Collaborative Filtering and Content-Based Filtering approaches. The SRL approach eliminated the extensive feature extraction requirements of model-based hybrid engines.

BetterMedicine

(Python, JavaScript, SQL)

An API and a web application to help identify and analyze side effects of various drugs sampled by researchers at 'BetterMedicine' - a startup based out of Bangalore.

Byzantine Chain Replication

(DistAlgo, Java, Python)

Implementation of byzantine-tolerant State Machine Replication protocol for asynchronous environments. (Ongoing Course Project of CSE535 - Asynchronous Systems)

Pro NGO

(PHP Laravel 4.1, JavaScript)

A PHP Laravel web application for helping new NGOs to quickly and securely scale up. The application provides features to find and collaborate with other volunteers around the area using social network data. The application also includes secure payment gateway features for NGOs to raise funds.

(Public Repositories: github.com/AbhilashUpadhy)

AWARDS

2nd Position in the Venturesity Hackathon conducted by Microsoft Ventures, Bangalore. Successful code contributions in four different Hackathons conducted across Bangalore.

Dec 2014

Successfully completed the certification course 'Design and Analysis of Algorithms' by Microsoft Research, India with Distinction.

Apr 2015

Best Teaching Volunteer Award for completing 80 teaching hours of Spoken-English classes, as a volunteer in the NGO 'Yuva Bengaluru'.

Jan 2016