

SAUMYE SRIVASTAVA

Areas Of Interest: Data Structures and Algorithms, Distributed Systems, Scalability

EXPERIENCE

Software Engineering - Intern **Citrix R&D, Bangalore** **January 2015 – Present**

Working in the Netscaler Clustering division of Cloud and Networking Team. Automated the testing workflow by writing Perl scripts for Unit Test Automation for Clustering over subnets feature of the future Netscaler release.

Research Intern **Indian Institute of Technology, Kharagpur** **June 2014 - August 2014**

Developed an algorithm to identify, segment and classify clustered H&E Breast Cancer nuclei from microscopic images by using Image Processing techniques in Matlab. Completed 6 weeks summer internship with a research paper in progress.

PROJECTS

Refr github.com/Saumye

An Android app that allows you to import your LinkedIn contacts and rate them on their top skills. Android native front-end in Java utilizing LinkedIn API, SpringRole API and a backend API in Python serving REST queries from a MongoDB database.

Tweaderboard

A web application hosted on Python/Flask which extracts tweets using Twitter API for a particular keyword and creates a realtime leaderboard with the embedded URLs in tweets analyzing which domains are most popular or shared.

Quest

An Android search app that compiles multimedia results in real time for a better search experience. It parses JSON data from Wikipedia/DBPedia API and XML stream from Google Images to present a visual result with a summary instead of the usual search results.

Breakout

A game developed in Java on an open-source engine called 3Coffee. The game involved collision tracking between balls, bricks, etc.

Custom Data Structure Library

Wrote a library containing different data structures such as Tries, Lists, Trees, Suffix Array etc, using C++ templates.

ACHIEVEMENTS

- Part of the team ranking 5th out of nearly 25,000 participants across India and later represented Karnataka, in Aspirations2020 2013 National coding finals at Infosys, Bangalore.
- Distinction in course in 'Algorithm Analysis' taken by Prof. Tim Roughgarden from Stanford University, USA from Coursera.
- Winner of Science Inc India 2015 Hackthon for the best use of API award with app 'Refr'.
- Microsoft Certified Professional after successfully obtaining a Microsoft Technical Associate certification from Microsoft.
- Winner of various college level coding events in Manipal and also 'Geek Cipher' event held at Anna University, Chennai.

EDUCATION

Manipal Institute of Technology **Manipal University** **2011-2015**

B.Tech in Computer Science with a CGPA of 7.1 till 7th semester.

LANGUAGES/Frameworks

C(Comfortable), C++(Comfortable), Java(Average), Android(Average), Python(Beginner), Git

RESPONSIBILITIES

- Event-head of Game Development Category in TechTatva Annual tech-fest of Manipal Institute of Technology, 2013 which involved taking workshops on 2D-Game Development in Java from scratch and judging/rating games.
- Worked as team leader in AIESEC which involved visiting NGO's to organize events with incoming interns from different countries, working on posters, event-website, blog, Intern reception booklet, brochures, etc.
- President of Information Technology in the prefect board, in DPS Bangalore.

EXTRA-CURRICULARS

- Active head of Linux User's Group, Manipal.
- Drummer of a rock band 'Agyaat', participating in numerous fests in school and colleges. Also the finalist of 'Battle of the Bands' event of Revels, 2013 at Manipal Institute of Technology.