http://saumye.github.io

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SAUMYE SRIVASTAVA

Areas Of Interest: Data Structures and Algorithms, Cloud Computing

EXPERIENCE

SDE - Intern	Citrix R&D, Bangalore	January 2015 – Present

Part of the clustering Dev-team of the Netscaler Active Delivery Controller product. Automated the testing workflow by writing Perl scripts for unit test cases for the Layer-3 clustering features in the next NS release 11.0.

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 **MogoDB** database.

Coupon Chacha
Built the backend for an iOS app using **Flask** framework in python, that ran a web worker to parse coupons of the day and deliver it to the app in the form of an API.

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.
- 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 **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.