

SHREYANS SHETH

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EDUCATION

Vellore Institute of Technology,
Chennai Campus

B.Tech, Computer Science and

Engineering, 2018

CGPA: 8.5/10

PROJECTS

CrackMeUp

A Twitter bot and API built in Python/Flask using various web scraping and external APIs, with a curated collection of 10k+ jokes.

CapSnap

An OpenCV tool using an intricate image processing algorithms like Binarization and Transforms to remove snapchat captions.

ACTIVITIES

OPEN SOURCE

Stellar GitHub profile, Contributed to popular organisations like Flask, Heroku and MIT. Invited to the GCI summit at Google HQ, California on account of OSS mentorship and contributions.

COMPETITIVE PROGRAMMING

Qualified for ACM ICPC Regionals 2016, World Top 100 CodeChef September Long Challenge.

RESEARCH

Designed an Steganography algorithm using Bit Encoding and Reversible Image Transforms to outsource encrypted image to enable lossless retrieval from the cloud. *Paper in review at Elsevier.*

EXPERIENCE

Razorpay

Software Engineering Intern

Bengaluru, IN

Jun 2017 to Jul 2017

- Designed a data store and API in Python/Falcon to index data from Amazon SQS to Elasticsearch, wrote Kibana queries for data insights.
- Built a distributed data pipeline using Python/Redis and a SQL-ES data mapper to push data from Amazon RDS to Elasticsearch in realtime.

WolfBeacon

Lead Open Source Developer

Oct 2016 to Current

- Part of a 15 member team worldwide building the world's first Open Source Hackathon Organization & Management Software.
- Responsible for the entire Architecture of the Backend, building APIs, Dockerizing apps, writing Nginx configurations and deployment.
- Wrote a parser for extracting data from Hackalist, built an API in Spring-Boot using spatial algorithms to expose Hackathons data.
- Building an Analytics and Mobile API in Node/Express and MongoDB.

Wingify

Software Engineering Intern

Pune, IN

Dec 2016 to Feb 2017

- Released and Open-sourced salesforce-bulkipy on pip, a Python library now used in production to access the Salesforce Bulk API interface.
- Reimplemented the PostgreSQL-Salesforce sync algorithm utilising the new library, reducing daily API usage by a staggering 70%.
- Integrated Alexa Rankings for Leads using the AWIS API, wrote Selenium tests for various push notification UI flows in PushCrew.

Google Summer of Code

Student Software Developer at OpenMRS

Apr 2016 to Aug 2016

- Redesigned and refactored the Cohort Module built for taking details, encounters and observations for grouped entities and patients.
- Built an extensible Search Widget for searching patients and cohorts based on search various attributes which help assist field operations.
- Extended REST resources, created cohort centric tags utilizing the HTML Form Entry Module and rewrote the views utilising Bootstrap.

OpenMRS

Open Source Student Developer

Nov 2015 to Apr 2016

- Core Software Contributor at OpenMRS, working with developers worldwide on the world's largest Open Source Medical Record System
- Fixed 10+ bugs and introduced 3+ new features in the Core, REST, Coreapps Modules. Worked and picked up best practices from a highly mature, maintained enterprise code written in Java/Spring/Hibernate.
- Scrum master volunteer, followed Agile utilising JIRA and Confluence.

SKILLS

LANGUAGES: Java, Python, C++, SQL, JavaScript, PHP, HTML/CSS

FRAMEWORKS: Spring, Express, Flask, Falcon, Selenium, Bootstrap

TOOLS: Git, Docker, MySQL, Elasticsearch, MongoDB