**Shreyash Sharma**

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**SUMMARY**

* Master’s student looking for Internship with over a year’s professional experience in software development, with **3.7 GPA**.
* Profound knowledge of C, C++, data structrues and algorithms. I love working on side projects in my spare time.
* Proven ability to manage a team having good communication skills, innovative, positive, flexible and reliable.

**EDUCATION**

**Computer Science, Masters of Science** Arizona State University | **GPA 3.7** **May 2018**

**Civil Engineering, Bachelors of Engineering** Nagpur University | **GPA 3.3** **April 2013**

**Coursework**: Theory of Computation, Operating Systems, Principles of Programming Languages, Software Security, Mobile Computing, Data Structures & Algorithms, Software Engineering, Discrete Mathematics, Software Verification Validation & Testing, Computer Network & Forensics, Foundations of Algorithms, Software Design.

**TECHNICAL SKILLS**

**Computer Languages** : C++, C, Assembly Level, Java, Python, MATLAB

**Database** : Oracle, MySQL, SQL, PSQL

**Operating Systems** : Linux, Mac, Windows

**Development/Testing Tools** : Codeblocks, Eclipse, Open MP, Xcode, Visual Studio, PyCharm, JUnit

**PROFESSIONAL EXPERIENCE**

**Backend Intern,** PopXo  **May 2016 to August 2016**

* Deployed endpoint to monitor Sidekiq Status decreasing server downtime by an hour.
* Used Facebook API to seed database, besides maintaining tables and perform join operations.
* Implemented cron tasks on linux servers, code was used in production after review.

**Technologies**: C, Ruby on Rails, Docker, PostgreSQL, Phabricator, Git

**Web Developer Intern,** Envecologic **June 2013 to June 2014**

* Developed and integrated plugins for WordPress like Google Analytics and other tools.
* Aided in Maintenance and development of Envecologic’s content heavy website using CMS.

**Technologies**: ArcGIS , Wordpress, HTML, CSS, Google Plugins

**PROJECTS** [**http://github.com/sharmashrey**](http://github.com/sharmashrey)

**Develop the Front end and Backend of Compiler *Jan’16 to May’16***

* Parsed the input language and creating an intermediate representation to link with the given back end.
* Coding the parser to correctly identify a given language along with a type checker.
* Developed lexer to read Context free grammar (C.F.G) .

**Technologies**: C, C++, Android Studio, SQLite

**Implemented graph & sorting algorithms using extrenal libraries *Aug’15 to Dec’15***

* Developed and analysed time Complexities in C++ with Open MP Libraries for parallel implementation.
* Found shortest path using Dijkstra’s, and diameter of a graph using Floyd-Warshall algorithm.
* Used JUnit for Unit Testing the Sorting Algorithms to check desired output.

**Technologies**: Google Location API, Android Studio, SQLite

**Secure Kernel – Fork Bomb Detection and Security January 2016 to April 2016**

* Prevented a denial-of-service attack by detecting and deleting self-replicating kernel process in linux.
* Created modules and system call for self-compiled Kernel in virtual machine.

**Technologies:** Linux (Ubuntu), Kernel, C

**Sun Devil Bank - Banking System August 2016 to December 2016**

* Developed a full stack website for banking transactions, secure from security threats and breakdowns.
* Designed Database schema, Class Diagrams, transactional logging and security modules like PKI, virtual keyboard.

**Technologies**: Spring MVC, Spring Security framework, MySQL, JSP, JavaScript, Asana

**Hospital Aide - Hospital Information and Management System August 2015 to December 2015**

* Built a multiuser web application for hospital staff, which helped in their day to day tasks besides data retrieval.
* Used Git for version control and managed a software development team of 10 people as a Deputy Leader.

**Technologies**: Python, Django, SQLite, HTML CSS (Bootstrap), Git