Aman Nagpal

+1 5713579564   amannagpal4@gmail.com   Boston, MA
+91 9897000009

 GitHub   **LinkedIn**   www.codewithaman.com

ABOUT ME

I fell in love with computer science in high school when I was first introduced to this field. After my bachelors, starting as a self-taught developer and gaining knowledge through making projects, I started working in the industry and finally got into Boston University getting my masters in the field I love

SKILLS

- Advance – Python, PHP, MySQL, Java, JavaScript, Flask, Laravel, Git, Github

- Intermediate – C++, HTML, CSS, JQuery, AngularJS, CodeIgniter

PROJECTS

- P2P network file exchange (Python)
- Cache Simulator (Python)
- MIPS Disassembler (Python)
- Team Management Tool (Backend Lead, Python)
- Analysing and Visualizing different Sorting Algorithms (Python)
- Pomodoro Technique and Website Blocker (JAVA)
- Buffer Overflow Attack Simulator (JavaScript, CSS, HTML)
- Memory allocation function, C++

VOLUNTEERING

- **Flobox –** Software engineer at a women empowerment start-up

WORK EXPERIENCE

Student Research Assistant   Present
Boston University   February 2018

- http://met-mobile.bu.edu/
- Shifted to an agile version by writing API's and implementing functionality as required using Python and Flask
- Analyze android *.apk* files and reverse engineer them analyze java code for malware software using "Androguard"
- Increased frontend response time by shifting to a single page application using AngularJS
- Used machine learning to find similarities between applications and malicious applications

Software Engineer   July 2017
Clickmytech   August 2016

- www.clickmytech.com
- During my time at ClickmyTech I made web applications for both the company and its customers.
- Helped increase website traffic with the help of Google SEO and Google Analytics
- Helped increased company customer base by dealing with customer's requests regarding the software they required.
- These requirements included applications in languages such as Python, C++, Java, and Web Applications

Software Developer Intern   Jul 2016
Twango   March 2016

- Helped in the development of the initial application by writing API's
- Accomplished better analyzing of customer base by creating backend dashboard
- Web based dash board using MVC framework (Laravel) and AngularJS for front end

EDUCATION

Boston University   May 2019
M.Sc, Computer Science, GPA 3.72/4   Sep 2017

- Research Assistant Fellowship
- Specialization in Data Analytics and IT Security
- Worked on various projects individually and as a part of a team
- Took classes such as Operating Systems, Networking, Computer Architecture, Object Oriented Programming, Digital Forensics, Algorithms etc.

University of Warwick, Coventry, U.K   July 2015
Accounting and Finance   Sep 2012

- Majored in Finance
- CFA level 1 cleared