



Vinit Singh

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EDUCATION

M.Sc. Computer Science – University of Birmingham, United Kingdom

[SEP 2020 – SEP 2021]

CGPA – 79.55 % (First Class with Distinction)

B.E Chemical Engineering – Birla Institute of Technology, Mesra

[JUL 2016 – JUL 2020]

CGPA – 64.1% (First Class)

WORK EXPERIENCE

Student Contributor - Google Summer of Code 2020 (& 2019)

[MAY 2020 – AUG 2020]

- Under Google's Summer of Code, I worked with Zulip, an open-source chat application, as a full-stack web developer (Python-Django, JavaScript, HTML/CSS).
- I implemented various features related to Zulip's Message view, Widgets and Compose sub-systems, as well as its LDAP, AWS and other integrations.
- All implemented features and bug fixes were accompanied by suitable automated testing suites.
- More here - gist.github.com/vinitS101/4ae30f0425f3bcb579eed547293609af

Winter Intern – Deloitte USI, Hyderabad

[JAN 2020 – APR 2020]

- As part of a Network penetration testing team, I primarily focused on developing automation tools (written in Python) to aid in various phases of the project.
- Created and helped deploy a NMAP Scanning and Report Generation tool.
- Developed an easily customizable Nessus Report Generator tool.

Research Assistant – Birla Institute of Technology, Mesra

[AUG 2018 – APR 2019]

- Co-authored the paper "K-NN Classification for Large Dataset in Hadoop Framework" (NCCS 2018)
- Implemented the K-NN algorithm in Java to efficiently run on a distributed setup running Hadoop.
- Planned, configured and operated the required Hadoop master-slave servers, on a number of local Linux-based machines, for the experiment.

Summer Intern – Prozone d.o.o., Novi Sad, Serbia

[JUN 2017 – JUL 2017]

- My time with Prozone was spent on researching, creating and testing a custom MS Outlook add-on, using C#, that integrated one of Prozone's core products.
- This was a major learning experience that introduced collaborative technologies like version control, automated testing and CI/CD.

ACHIEVEMENTS

- Mentor - Google Summer of Code 2021 for Zulip
- Winner (National Finals) – Deloitte TechnoUtsav 2.0's Cyber Threat Collegiate Challenge (CCTC) 2019

SKILLS

- Java
- Python
- C++
- JavaScript
- Django
- ReactJS
- SQL
- Automated Testing
- Git
- Docker
- Hadoop
- Linux/Unix, Bash, etc.

HOBBIES

- Playing volleyball
- Reading (ridiculously long) novels