

Siddharth Singh

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EDUCATION

IIIT - DELHI

BTECH IN COMPUTER SCIENCE
Expected May 2018 | New Delhi, India
GPA: 8.23 / 10.0

LINKS

Github:// [siddharth7](#)
LinkedIn:// [siddharth-singh-bb7210a9](#)

COURSEWORK

UNDERGRADUATE

Analysis and Design of Algorithms
Computer Networks
Fundamentals of Database Systems
Graph Theory
Advanced Programming
Mobile Computing
Foundations of Computer Security
Information Retrieval
Artificial Intelligence
Database System Implementation
Software Defined Networking
Wearable Computing

SKILLS

PROGRAMMING

Languages:
Java • Python • C • C++
Technologies:
• Android • MySQL • MongoDB

HOBBIES

- Travel
- Football
- Competitive Programming
- Puzzles
- Tech Reviews

LANGUAGES

- English
- Hindi

SOCIETIES

- Foobar Programming Club@IIITD
- Entrepreneurship Club@IIITD

EXPERIENCE

NATIONAL UNIVERSITY OF SINGAPORE | RESEARCH INTERN

Jan 2018 – Present | Singapore
• NUS-Singtel Cyber Security Research and Development Laboratory

MICROSOFT | FOUNDRY FELLOW + SOFTWARE ENGINEERING INTERN

May 2017 – July 2017 | Hyderabad, India

- 20 out of 200 interns chosen to be in the Foundry 2017 program.
- Worked on the Azure Networking Team in a group of 3 developer interns and a UX intern in primarily TypeScript, C# and Kusto to create a new feature to detect, view and report changes in topology on a client's network.

PRECOG RESEARCH | UNDERGRADUATE STUDENT RESEARCHER

August 2016 – Present | New Delhi, India

- Performance Evaluation of Facebook FreeBasics platform in developing countries.

PUBLICATIONS

SIGMETRICS 2017 | SHORT PAPER

Urbana-Champaign, IL

S.Singh et al. "An empirical analysis of Facebook's FreeBasics"

Proceedings of the ACM International Conference on Measurement and Modeling of Computer Systems (SIGMETRICS 2017), Urbana-Champaign, IL, June 2017

ICTD 2017 | FULL PAPER

Lahore

S.Singh et al. "Leveraging Facebook's Free Basics Engine for Web Service Deployment in Developing Regions"

Proceedings of the The Ninth International Conference on Information and Communication Technologies and Development (ICTD 2017), Pakistan, November 2017

PROJECTS

Load Balancer | Software Defined Networking

Used shortest and second shortest paths to balance traffic on switches in SDN using Python, Ryu, OpenFlow

TagTraqr | Mobile Computing

A project that aimed to provide security/tracking to devices in local scope using IOT using Android, Python, BLE

Reinforcement Learning on the Combinatorial Game of Nim | Artificial Intelligence

Technologies : Python

OS feature implementation | Operating Systems

Implemented File System, Memory Manager and Basic Shell in C

AWARDS

- MakeMyTrip Hackathon - 2nd Place • Kotak Fintech Hackathon-1st Place
- IndiaHacks-5th Place