

Siddharth Sen

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EDUCATION

MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY

B.TECH COMPUTER SCIENCE
ENGINEERING
2018 - 2022 | New Delhi, India
CGPA: 8.0 / 10.0

BLUEBELLS SCHOOL INTERNATIONAL

Grad. 2018 | New Delhi, India
Class XII Scholar

SKILLS

PROGRAMMING

Over 5000 lines:

C++ • Python • Swift • iOS

Over 1000 lines:

C • Java • CSS • LaTeX • Javascript

Familiar:

React • Arduino • Android • MySQL

• Django • Flutter • React Native

UNDERGRADUATE

Data Structures

Advanced Algorithms

Database Management System

Operating Systems

Functional Programming

Computer Graphics + Practicum

(Research Asst. & Teaching Asst 1x)

Unix Tools and Scripting

PROJECTS

Covid-19 Tracker (Swift)

Track Covid-19 cases in real time.

Raspberry Pi Air Pollution Measure
(Python)

*Measure CO₂, NO, NO₂, CO, PM 2.5 levels. & Print
corresponding levels on an LCD screen included an
inbuilt fan to circulate air in the device.*

Arduino Soil Moisture Measure (C++)

*Analog to a digital signal with Arduino using the
information to display moisture content of the soil on
an inbuilt LCD screen.*

Algorithm Visualisation (Java)

*Made a GUI interface to select algorithm from the
drop-list and visualisation of its implementation.*

Active (Shell)

zsh/bash script to remind you to stay active.

Bukkit Minecraft Server Plugins (Java)

*Made Minecraft server plugins like custom texts,
custom login announcements.*

EXPERIENCE

GOOGLE | GOOGLE SUMMER OF CODE STUDENT AT AUSTRALIAN OPEN SOURCE SOFTWARE INNOVATION AND EDUCATION

June 2020 – August 2020 | Remote

- Built Native iOS application, increased reach by 100 %
- Conduct democratic elections using multiple algorithms.
- Used Realm NoSQL database, GraphQL.

CYPHEROCK | SOFTWARE ENGINEERING INTERN & MOBILE LEAD

January 2020 – February 2020 | New Delhi, India

- Developed SDK to interact with Java cards (Read/Write).
- Built iOS from the ground up.
- Drove over 1000 units in sales.

HARVARD UNIVERSITY HACKATHON | HACKHARVARD WINNER & TEAM LEADER

October 2019 – November 2019 | Cambridge, Massachusetts

- “Healthy.Ly”, Android app that uses Artificial Intelligence and Machine Learning to detect if a particular food is allergic to you.
- Built using Java and Python for the back-end and ML
- Led a team from Harvard for the project.

GODOT GAME ENGINE | OPEN SOURCE DEVELOPER

January 2019 – September 2019 | Remote

- Diagnosed issues with GUI and rendering.
- Increased productivity by 10 % by fixing the search replace the functionality of the game engine editor.

RESEARCH & LEADERSHIP

MACHINE LEARNING, IOT RESEARCH | RESEARCHER

October 2019 – Present | MSIT, New Delhi, India

Research on IoT exploits and using Machine Learning to detect security flaws in IoT devices.

INTERNATIONAL ORGANISATION OF SOFTWARE DEVELOPER - MSIT | HEAD MOBILE TECHNOLOGY

August 2019 – Present | MSIT, New Delhi, India

Coordinate with my mobile developers team of the college to execute planned seminars.

Coach club members with Mobile/Web development.

Plan and organize hackathons in College.

AWARDS

2019 Global Rank:12510

2019 top 52/2500

2018 Bluebells School

2017 Google Event

2016 Cardiff University 1st

CodeChef Competitive Programming 2019 Division 2

Linux Foundation Open Source Summit Europe Scholar

Class 12 Science Scholar

Certified Web Ranger

Cardiff University Engineering Competition