

# ADITYA RAJNEESH SINGH

Final year undergraduate student pursuing Bachelors of Engineering Degree in Computer Science.

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## EDUCATION

**Bachelor of Engineering, Computer Science Engineering**  
Sir M. Visvesvaraya Institute of Technology

📅 JUL 2017 – Present      Current CGPA: 8.76

**Higher Secondary (Class XII)**  
Kendriya Vidyalaya No.2 (CBSE)

📅 APR 2016 – MAR 2017      Percentage: 90%

**High School (Class X)**  
Kendriya Vidyalaya No.2 (CBSE)

📅 APR 2014 – MAR 2015      CGPA: 10

## EXPERIENCE

**Software Engineering Intern**  
The Sparks Foundation

📅 JUN 2019 – AUG 2019

Compiled a comparative report of the top 3 cloud service providers. Created a tutorial on how to create a droplet on DigitalOcean and access it via SSH. In the second phase of the internship, used Selenium with Python to automate simple day to day tasks.

**Virtual Assistant**  
Achiwer

📅 AUG 2019 – NOV 2019

Assisted in the teaching of programming languages (C and C++) to underprivileged students from rural backgrounds by clearing their doubts and resolving their queries over personal telephonic conversations.

## ACHIEVEMENTS

- Published a research paper titled "The CryptoMailer" in the July 2020 edition of International Journal of Innovative Research in Science, Engineering and Technology.
- Awarded a scholarship of ₹500 for scoring 9 CGPA in the first year of BE Course.
- National Cadet Corps (Army wing) 'B' certificate holder.
- Awarded a scholarship of ₹5000 for scoring 10 CGPA in the AISSE (Class X) examination.

## SKILLS

C C++ Python Java MySQL  
Data Structures Algorithms Git  
Machine Learning Data Science

## PROJECTS

**The CryptoMailer**

📅 JUL 2020

- Tech Stack: Python, SMTP.
- Research and project work for sending and receiving encrypted emails via Gmail. Implemented keyword cipher algorithm for encryption.

**Binary Image Classifier**

📅 MAY 2020

- Tech Stack: Python, TensorFlow, Keras.
- Built an 83.79% accurate convolutional neural network using Keras and TensorFlow to classify the given image as a Cat or a Dog.

**Singly Linked List Visualizer**

📅 MAR 2020

- Tech Stack: C++, OpenGL.
- An interactive OpenGL implementation to visualize operations on a Singly Linked List.

**Selenium Automation**

📅 JUL 2019 – AUG 2019

- Tech Stack: Python, Selenium.
- Used selenium web driver and Python to automate the following tasks: sending emails, finding broken links of a website and downloading images from google.

**QR [En|De]coder**

📅 APR 2019 – JUN 2019

- Tech Stack: Python, Flask, HTML, CSS, JavaScript, Ulkit.
- A website to generate QR codes based on the user's requirements and provide QR code customization to a limited extent. Additional functionalities include a QR Decoder page and a Feedback page.