



## Devansh Singh Rathore

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🐙 <https://github.com/RathoreDevansh08>

Date of Birth: 19 June 1999

### EDUCATION

2017 – Present

#### B.Tech. - Computer Science and Engineering

From Indian Institute of Technology, Palakkad, Kerala

- CGPA: 8.31 (Current)
- Elective Courses: Cryptography | Functional Programming | Digital Image Processing | Abstract Algebra | Numerical Analysis

2016 – 2017

#### Class XII

From O.P. Jindal Modern School, Hisar, Haryana

- Board: Central Board of Secondary Education (CBSE)
- Percentage: 91.4%

2014 – 2015

#### Class X

From Delhi Public School, Aligarh, Uttar Pradesh

- Board: Central Board of Secondary Education (CBSE)
- CGPA: 10

### EXPERIENCE

June 2020 – Aug 2020

#### GE Healthcare - Software Intern

- Exploration of PyCharm Plugin Development on IntelliJ IDEA, using Gradle, Java.
- Development of Federated Learning server-client paradigm using Tensorflow, RESTful-service (REST API), Python Flask, MySQL.

### TECHNICAL SKILLS

Programming Languages C++, C, Python, Javascript, Haskell, Standard ML (Functional Programming)

Competitive Programming [Codeforces](#), [CodeChef](#), [UVA](#), [Hackerrank](#)

Deep Learning Completed Deep Learning online specialisation course, offered by Stanford University at coursera.org

Machine Learning Completed Machine Learning online course, offered by Stanford University at coursera.org

Web Development and Database Python Flask, REST API, CSS, HTML, MySQL

Image Processing and OpenCV Source: Digital Image Processing course (EE5005), OpenCV documentaries online, Data Analysis Club

Basic Android Tracks Completed Basic Android Tracks online course offered in Google India Scholarship program 2018 at udacity.com

### PROJECTS

Jan 2020 – July 2020

#### Language Server for Standard ML language

- Built a Language Server for Standard ML, with editing features like autocomplete, hover for IDEs.
- [Bitbucket Repository Link](#)

May 2019 – Nov 2019

#### Petrichor-2020 Fest website and CA portal development

- Developed front end of Petrichor-2020 (Annual Techno-Cultural fest of IIT Palakkad) website and its CA- Portal.
- [Website Link](#)

- Oct 2018 – Nov 2018*   **Garbage Management Mini Project using Verilog**
- Simulation of an efficient garbage collection system (using Dijkstra's shortest path algorithm) - Verilog
  - [Github Repository Link](#)
- July 2018 – August 2018*   **Face Recognition Project**
- Developed a Face recognition Python program for automated attendance system that recognizes and predicts the person in image. Built using Deep Learning methods (CNN, Triplet Loss algorithm).
  - [Github Repository Link](#)
- Jan 2018 – Feb 2018*   **Cartoonifier using OpenCV**
- Developed a program to cartoonify an image using image processing and OpenCV (Bilateral filter, Laplacian filter, Sobel Edge Detection).
  - [Github Repository Link](#)
- Dec 2017 – Mar 2018*   **Online E - Challan system**
- Developed an automated online e - challan web application with additional ML applications, for Smart India Hackathon 2018.
  - [Website Link](#)

## TRAINING AND WORKSHOPS

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- Nov 2018 – Dec 2018*   **Inter IIT Tech meet 2018 (Star Cluster Identifier, PlutoX Hackathon) at IIT Bombay**
- Jun 2018 – July 2018*   **Deep Learning at Stanford University (online)**
- Jun 2018*   **MyCaptain Artificial Intelligence (The CLIMBER program) at MyCaptain (online)**
- Jan 2018*   **Kaizen Internet Of Things Workshop by LemaLabs**
- Dec 2017 – Feb 2018*   **Machine Learning at Stanford University (online)**

## ACHIEVEMENTS

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- **Google Hashcode 2020:** Team achieved 1436th place(world ranking) in Hash Code 2020 Online Qualification round
- **ICPC 2019-20:** Our team achieved rank 244 in online preliminary round and qualified for onsite round. Achieved rank 28 in Asia region Kanpur site, rank 251 in Asia region Amritapuri site.
- **Codechef Snackdown 2019:** Qualified for online contest round 1B
- **Smart India Hackathon 2018:** Qualified for grand final round of SIH-2018
- **Google India Scholarship Challenge 2018:** Selected for the program, completed Basic Android Tracks online course

## POSITION OF RESPONSIBILITIES

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- Dec 2019 – Jan 2020*   **Organizer of Data Analytics Contest for Petrichor-2020 Fest**
- May 2019 – Dec 2019*   **Member of Web Creative Team for Petrichor-2020 Fest**
- Aug 2018 – April 2019*   **Head of Data Analysis Club, IIT Palakkad**

## EXTRACURRICULAR ACTIVITIES

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- **Chess:** Active participant in institute Chess competitions
- **NSO (Table Tennis):** Completed 40 hours of Table Tennis training
- **EBSB cultural program:** Participant