



Rohan Rajpal

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DOB: November 15, 1998



Education

Indraprastha Institute of Information Technology B. Tech CSE 2017 – Present	CGPA: 9.09
Delhi Public School Vasant Kunj, Delhi C.B.S.E 2015 – 2017	Percentage: 96.6
Delhi Public School Sector 45, Gurgaon, Haryana C.B.S.E 2002 – 2015	CGPA: 10

Skills

Expertise Area	Data Engineering, Model/View Programming, Machine Learning, Data Structures, and Algorithms, Open Source
Programming Language	C++, Python, Java, Scala
Tools and Technologies	Git, Unity, Qt Creator, MongoDB, Heroku, Flask, AWS, Spark, Elasticsearch, Hashicorp Vault
Technical Electives	Competitive Programming – 1, Advanced Programming (OOPS), Database Management Systems, Analysis and Design of Algorithms, Operating Systems, Machine Learning, Deep Learning, Designing Human-Centered Systems

Internship

Software Development Engineer Intern at Expedia Group Manger: Himanshu Verma <ul style="list-style-type: none">Worked on code migration by making microservices via Spark, AWS, Hashicorp Vault	May 20 - July 20 Team Size - 3
Google Summer Of Code Student(GSoC) 2019 under VideoLAN [link] Mentors: Pierre Lamot , Jean-Baptiste Kempf <ul style="list-style-type: none">Redesigned the VLC Media Player for Linux/Windows platform using Qt/C++ and QMLFocused on designing and developing more fluid and intuitive interactions and wrote production-level code	May 19 - Aug 19 Team Size - 4
Software Development Intern (Industrial) [link] Guide: Palash Bansal <ul style="list-style-type: none">Developed a Unity mobile VR app to view MRI scans. Built the VR interactions and helped in the data processingCoded all the hands-free interactions and helped in the data processing	May 18 – July 18 Team Size - 2

Projects

Social Media Data Analysis

Guide: Dr Ponnurangam Kumaraguru, Professor, CS @IIITDelhi

Aug 19 - Present

Dr Kiran Garimella, Postdoc at Massachusetts Institute of Technology

- Built a strong data collection pipeline using the Elastic Logstash Kibana(ELK) stack and Open Source Intelligence tools
- Applied reverse engineering methods using Mitmproxy to reverse engineer an app's API
- Wrote down algorithms to match text and images across databases

ICLR Workshop: Computer Vision for Crop Disease

Guide: Dr Saket Anand, Assistant Professor, CS @IIITDelhi

Jan 20 - June 20

Team Size -3

- Led the project on detecting wheat and stem rust on pictures of crops. Used Deep Learning to solve the problem.
- Did extensive research and ablation on various architectures, optimizers, learning rate schedulers and augmentations.

Delhi Metro Connect [\[link\]](#)

Guide: Dr Ponnurangam Kumaraguru, Professor, CS @IIITDelhi

Aug 19 - Nov 19

Team Size-4

- Led the development of Delhi Metro Connect, an android app to provide help to metro users in Delhi
- Created the home screen and help centre of the app. Helped in the design process from the low fidelity to the final application

Mini ERP System [\[link\]](#)

- Developed an ERP system for a factory(Sunrise Polymold) of around 200 workers in Delhi, India

Jan 18 - May 18

Team Size-4

- Used Firebase for data management and Android Studio to build the app

Positions of Responsibility

- Student Mentor at IIITD
- Member, [Precog](#) at IIITD
- Lead, [Developer Student Clubs](#) by Google Developers
- Odyssey (Cultural Fest of IIITD): Organizing Team

July 19 - Present

May 2019 - Present

Jan 2019 - May 2020

Nov 17 - Jan 18

Interests and Hobbies

- Cooking
- Squash

Declaration: The above information is correct to the best of my knowledge.

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Date: June 24, 2020