
Pulkit Karira

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Indian Institute of
Technology
Roorkee



INTERESTS

Data Structures and Algorithms, Android Development, Deep Learning

EDUCATION

Indian Institute Of Technology, Roorkee

2015 - Present

- Bachelor of Technology, Metallurgical and Materials Engineering
- CGPA-8.0/10

WORK AND INTERNSHIPS

Summer Internship - Elanic Systems

May 2017 - July 2017

Worked as an Android Developer at e-commerce start-up Elanic. Made architectural changes in the existing app by implementing Dagger, MVP, RxJava along with the addition of new features.

Summer Internship - Next Education Pvt. Ltd. (PPO Offered)

May 2018 - July 2018

Worked in R&D team at Next Education where my job was to apply deep learning for transcribing videos for subtitle generation, along with this I worked on math word problem solver.

Android App Developer - Mobile Development Group, IIT Roorkee

Jan 2015 - Present

I'm currently working as an android app developer in Mobile Development Group, IIT Roorkee. The group works for making android and iOS apps and promoting app development within the campus.

PROJECTS

Androble

Aug 2016 - Dec 2016

Androble uses Android's Bluetooth API and establishes RFCOMM channels. The server listens for various clients using a unique UUID and the client having the same UUID is connected to the server. In multiple devices, the server creates 4 RFCOMM channels with 4 different UUIDs and then each connection is maintained on a different thread by the server so that if anyhow connection with a particular client fails then the connection with other clients is uninterrupted. [github repo](#)

Swipper

Nov 2016 - Dec 2016

Android library for swipeable gestures. It provides custom views to control brightness, volume and seek through swipeable gestures. These views could easily replace the conventional volume/brightness/ seek controls that we have in music player, video player or gallery apps. [github repo](#)

Microstructure Classifier

Dec 2017 - Present

Machine Learning Project which classifies steel microstructures based on their morphology. Using keras for Neural Network Architecture creation. [github repo](#)

Sync Call

Oct 2017 - Oct 2017

It is a node js app made over socket.io which syncs your mobile with a laptop so whenever you receive a call on your mobile and both are on the same network, you would be alerted on your laptop along with features like rejecting and picking up call. The attempt was to replicate the FaceTime feature in mac.

[github repo](#)

Fokus

Sep 2017 - Dec 2017

Chrome Extension for blocking website for a specified duration between instances of closing and opening tab. This chrome extension has a unique feature which allows the user to set the interval between closing and opening instances of a particular website. [github repo](#)

SKILLS

Programming Languages

Java,C/C++,Python, JavaScript,CoffeeScript,PHP

Software Packages

Git, Android Studio, SciPy Ecosystem (NumPy, SciPy, Matplotlib, Pandas), Scikit-Learn, Dagger, RxJava, React Native, Retrofit, AWS

Courses Taken

Data Structures, Udacity Intro to Machine Learning, Udacity Android Development, Machine Learning by Stanford University (Coursera).

ACHIEVEMENTS

- Winners at Cognizance'16 Appathon.
- Runner-up at Cognizance'17 Appathon.

POSITION OF RESPONSIBILITIES & EXTRACURRICULARS

National Service Scheme, IIT Roorkee

July 2015 - Dec 2015

Coordinated NSS study camps and activities (including blood donation, free education in remote areas, spreading economic and social awareness).

Joint Secretary, Mobile Development Group, IIT Roorkee

July 2017 - Present

Mentoring a group of enthusiasts who aim at digitalizing the campus through software development.

Representative, Shrishti, IIT Roorkee

March 2015 - March 2015

Represented Mobile Development Group at Shristi which is annual tech fest of hobbies club, IIT Roorkee.