

# Aditya Rana

mail2aditya.rana98@gmail.com | +91 - 9500588159

## EDUCATION

### NIT TRICHY - B.TECH

MAJOR : INSTRUMENTATION AND  
CONTROL ENGINEERING

MINOR : COMPUTER SCIENCE AND  
ENGINEERING.

Expected : May 2022

Cum. GPA: 7.93/10

## LINKS

Github: [ranaaditya](#)

LinkedIn: [AdityaRana](#)

## COURSEWORK

### UNDERGRADUATE

Data Structures And Algorithm

Operating System

Microprocessors and Microcontrollers

Digital Electronics

Sensors and Transducers

### INDEPENDENT

Advanced Android Development  
(certificate)

## SKILLS

### PROGRAMMING

•Java •Kotlin

•C •C++

•GLSL •Go

•Processing

### FAMILIAR:

•Linux •Android OS

•Git •OpenGL-ES

•Gradle •Google Firebase

•Google Maps •gRPC

•AndroidStudio •REST API

## EXTRAS

•Conducted Android App Dev and  
Data-Structures and Algorithms  
Workshops attended by 200+ first year  
students.

•Active member of National Service  
Scheme which helps needy people in  
education and finances

•Active student-member of International  
Society of Automation (ISA)

## EXPERIENCE

### GOOGLE SUMMER OF CODE 2020

May 2020- present | The Processing Foundation

- Working on an Open-Source Graphics tool ([project link](#)).
- Rewriting Processing's native-mode and adding support for native binaries for the multiplatform-support of mobile devices using Kotlin/Native.
- Also helping resolve existing issues for the renderers and the Android APIs.

### DWOC'19 | PROJECT MENTOR | OPEN SOURCE

Nov 2019- Jan 2020 | Trichy

- Delta Winter Of Code is a winter long open source program organised by Delta Force, official webteam of NIT Trichy.
- Worked as a Project Mentor of cross Platform Bill Splitting End User Application.

### DELTA FORCE | WEB TEAM OF NIT TRICHY

Aug 2019 - Present| Trichy, IN

- As a part of Android Team, build apps for various fests of the college.
- Represent NIT Trichy in various Hackathons and competitions.
- Responsible for maintaining the college website.

## PROJECTS

### DALAL STREET | ANDROID | GRPC

- Multiplayer Virtual Stock Market game hosted over a week during Pragyan, annual techno-management fest of NIT Trichy.
- Part of the team that made android app completely written in Kotlin and datastreaming using Golang and gRPC for the game ([app link](#))
- All code reviewed, perfected, and pushed to production ([project link](#)).

### FESTEMBER APP | RxJAVA | MVP | RETROFIT

Aug 2019 – Present | Trichy, IN

- Worked on the official app for annual cultural fest of Nit Trichy.
- App was deployed by the team and is available at Google Playstore ([app link](#)).
- Downloaded and used by 5000+ active users during the fest over a period of 5 days.

### SPYZIER | GOOGLE FIREBASE | MEDIAPROJECTION API | ANDROID STUDIO

Jun 2019-Jul 2019 | Github link

- Parental Control Android App where parents can monitor the activity of their child.
- Based on client - server architecture and backend in Firebase .
- Has features like remote viewing , location tracking , contact details , call logs , etc.

## ACHIEVEMENTS

2015 top 0.2% Received letter of appreciation for being in top 0.2 % in cbse board.