Aditya Rana

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EDUCATION

NIT TRICHY - B.TECH
MAJOR : INSTRUMENTATION AND CONTROL ENGINEERING
MINOR : COMPUTER SCIENCE AND ENGINEERING.
Expected : May 2022
Cum. GPA: 7.91/10

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 LANGUAGES
•Java •Kotlin •C • C++ •GLSL •Go
•Processing •Rust

APP DEVELOPMENT
Android Studio •Android Jetpack

FAMILIAR
•Linux •Git •Android OS •OpenGl-ES
•Gradle • Google Firebase •Google Maps
•gRPC •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 | STUDENT DEVELOPER
May 2020- Sept 2020 | Medium Blog | Processing Foundation
- Worked on Processing's Open-Source Graphics tool (project link).
- Rewritten Processing's native-mode and added support for native binaries for the multiplatform-support of mobile devices using Kotlin/Native.
- Upgraded the Gradle to Kotlin DSL based Gradle Build System.

DWOC'19 | WEB LINK | 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 LINK | 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 | PLAYSTORE LINK | 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 Koltin and datastreaming using Golang and gRPC for the game
- All code reviewed, perfected, and pushed to production (project link).

FESTEMBER APP | PLAYSTORE LINK | RxJava | MVP | RETROFIT
Aug 2019 – Present
- Worked on the official app for annual cultural fest of Nit Trichy.
- App was deployed by the team and is available at Google Playstore
- Downloaded and used by 5000+ active users during the fest over a period of 5 days.

SPYZIER | PROJECT LINK | GOOGLE FIREBASE | MEDIAPROJECTION API
Jun 2019-Jul 2019
- 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.