

Rishabh Khanna

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EDUCATION

Masters in Computer Science December 2019
University of Florida
GPA: 3.89/4.0
Relevant Courses : Distributed Systems, Advanced Data Structure

Senior Certificate in Computer Science May 2018
University of Florida
Relevant Courses : Operating System, Human Computer Interaction, Database Management Systems, Computer Networks

Bachelors in Technology December 2017
Jaypee Institute of Information Technology, Noida, India
Computer Science Major, GPA: 7.1/10

EXPERIENCE

Product Engineer and Instructor May 2018 - July 2018
Coding Blocks, Delhi, India

- Taught students at coding boot camp to build elegant websites using Node.js
- Managed multiple open source projects.

Android Developer Intern December 2016 - November 2017
Coding Blocks, Delhi, India

- Developed an Android app to inflate books consuming gitbook.com API
- Available on [Google Play Store](#).
- Mentored students at coding boot camp in Android App Development and Web development

ACADEMIC PROJECTS

Pi Bot — Raspberry Pi, *Android, Node.js, Express.js, Socket.io*

- A car bot built using Raspberry Pi controlled by android app using phone sensors(accelerometer).
- Developed an Android App to deliver accelerometer data to Raspberry Pi in Real Time using socket.io

Bitcoin Simulator — HTML, CSS, Javascript, Elixir, Distributed Systems

- Implemented the Bitcoin protocol to be able to mine bitcoins, implement wallets, transact bitcoins and a web interface using Phoenix which accesses a simulator with more than 100 distributed participants.
- Developed unit tests to verify the correctness of each task in the distributed network.

PERSONAL PROJECTS

AfterMashed Web App — HTML, CSS, Javascript, Node.js, PostgreSQL

- A web app developed in Node.js and Express.js where college students can view and rate all the events happening in college
- Hosted on Digital Ocean and more than 100 users registered on the first day

News Chat — *Android SDK, Java, XML, Backend: Node.js, PostgreSQL*

- Native Android app with 1K monthly active users where users can rate and comment on scraped news from Times of India
- Added features like Random Chat to discuss news with other people, sending notifications about message through FCM (Firebase Cloud Messaging API).
- Developed a server based app using Express.js to serve REST API.
- App Available on [Google Play Store](#) and Backend hosted using Digital Ocean

Outline Toggle Button Android Library — Android SDK, Java

- An open source Android Library starred by more than 30 developers on Github to make different kind of buttons in their Android App

Swipe Drag Recycler view Library — Android SDK, Kotlin, Java

- An open source Android Library starred by more than 35 developers on Github to provide Long press drag and swipe functionality for recycler view items.
- Developed unit tests and enabled continuous integration with Travis CI.

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Technical Skills

Languages

- Java(5+ years exp.)
- Node.js/Javascript(3+ years exp.)
- Kotlin(1+ years exp.)
- C/C++
- Python
- Typescript
- Elixir
- PHP
- HTML,CSS

FrameWorks and OS

- Android(3+ years exp.), Linux
- Express.js
- Mean Stack
- Distributed Systems

Database & Version Control

- Mysql, PostgreSQL(2+ years exp.)
- Oracle
- SQLite
- MongoDB
- Git (3+ years exp.), Github, Slack

Microservices and Hosting

- AWS, Digital Ocean
- Firebase
- Heroku
- Docker, Kubernetes

Hackathons:

- [DigitalOcean - 2nd Position](#)
- [Nagarro Code-n-Counter](#)
- [Hack In Out](#)

Open Source Contributions:

- [OpenMF Self Service App](#)
- [FossAsia Open Event Web-App](#)
- [CB Digital Ocean Android App](#)
- [FossAsia Open Event Orga App](#)

Achievements:

- [Android Project pulled under FossAsia for GSOC 2017](#)
- Appreciation & Invitation to Droidcon 2016
- Android Developer & Co-ordinator at GDG IIIT Noida
- Co-ordinator at Open Source Developer Club IIIT Noida
- Mentor at SwampHacks 2019