Rishabh Khanna

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EDUCATION

Masters in Computer Science   December 2019
University of Florida
GPA: 3.89/4.0
Relevant Courses : Distributed Operating System, 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
• Taught students to build elegant websites using Node.js
• Managed multiple open source projects.

Android *Developer Intern*   December 2016 - November 2017
Coding Blocks
• Developed an Android app to inflate books consuming gitbook.com API
• Available on Google Play Store.
• Mentored students at Coding Blocks in Android Development and Web Development Course with Arnav Gupta (championswimmer.in)

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

Distributed Bitcoin Simulator — Elixir, Phoenix, 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

Silent Flip — *Android SDK, Java, XML*
• Native Android app which silents the phone music, ringtone and alarm(can select what to silent from settings) when it is flipped upside down.
• Available on Google Play Store.

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, Created REST API's for sending and delivering messages, sending notifications about message through FCM (Firebase Cloud Messaging API).
• Available on Google Play Store.

Outline Toggle Button Android Library — Android SDK, Java
• An open source Android Library for developers to make different kind of buttons in their Android App.

Swipe Drag Recycler view Library — Android SDK, Kotlin, Java
• An open source Android Library that provide Long press drag and swipe functionality for recycler view items.
• Wrote unit tests and enabled continuous integration with Travis CI.

Technical Skills
Expert:

• Android
• Node.js/JavaScript
• Java
• Git

Proficient:

• C/C++
• Linux
• Elixir
• Kotlin
• HTML, CSS
• MySQL, PostgreSQL
• MongoDB
• Distributed Systems

Hacked at:
• DigitalOcean Hackathon - 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

Other Achievements:
• Android Project pulled under FossAsia for GSOC 2017
• Appreciation & Invitation to Droidcon 2016
• Android Developer & Co-ordinator at GDG JIIT Noida
• Co-ordinator at Open Source Developer Club JIIT Noida