

# R B Krishna

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## EDUCATION

### ARIZONA STATE UNIVERSITY

MS IN COMPUTER SCIENCE  
Current | Tempe, AZ, USA

### NIT TRICHY

B.TECH IN COMPUTER SCIENCE  
June 2018 | Trichy, TN, IN

## LINKS

Github:// [krishnarb3](#)  
LinkedIn:// [rbkrishna](#)

## COURSEWORK

### GRADUATE

Multimedia and web databases  
Information assurance and security  
Foundations of Algorithms

### UNDERGRADUATE

Data structures and algorithms  
Operating systems  
Database management systems  
Computer networks  
Design and analysis of parallel algorithms  
Big data analytics

## SKILLS

### PROGRAMMING

Java • Kotlin • SQL • C • JS

## POSITIONS OF RESPONSIBILITY

### Lead Android Developer

DeltaForce - Coding club of NIT Trichy.

### Head, WebOps

Entrepreneurship Cell of NIT Trichy  
Manager

Social Responsibility Team of Festember,  
National Level Annual Cultural Festival of  
NIT Trichy.

## AWARDS

### Winners , inGenius Hackathon '16

Android app for sharing wifi credentials  
using sound

### Top 5 , inOut Hackathon '17

Distributed computing mobile framework

### Runner up

Building a fall detector and client in  
Sangam, Pragyan '16

## EXPERIENCE

### COMPASS | SOFTWARE ENGINEER II

Nov 2020 - July 2021 | Hyderabad, IN

- Worked on the architecture and NFR of the mobile app such as improving startup time, progressive image load, performance metrics and optimization.
- Collaborated with the product, design, QA teams and led a team of 4 junior developers for building end-to-end features.
- Ensured 99.9% crash free user sessions.

### ARCESIUM | SENIOR SOFTWARE ENGINEER

July 2018 - Oct 2020 | Hyderabad, IN

- Worked on design, infrastructure and development of pricing applications.
- Worked on end-to-end design and development of APIs for LIBOR Cessation.
- Developed and onboarded multiple clients to a quantitative finance platform.
- Integrated GRPC + protobuf with an in-house framework for exposing services.
- Technologies used: Kotlin, Spring, Gradle, Docker, Kubernetes.

### ARCESIUM | SOFTWARE ENGINEERING INTERN

May 2017 - July 2017 | Hyderabad, IN

- Self service tool for data uploaders - web service for price upload.
- Developed a configurable parser for parsing and persisting price files.

## PROJECTS

### REPAIR PIPELINING FOR CLAY-CODED STORAGE

PUBLISHED, IEEEEXPLORE, COMSNETS, 2021

Mar, 2020 - Oct, 2020 | IIIT-H, IN

- Built a distributed file storage prototype incorporating clay erasure coding.
- Proposed and implemented repair pipelining for clay codes to improve performance and reduce bandwidth.

### RAFT CONSENSUS

- Raft consensus protocol with spring, vert.x, kubernetes implementations

### DISTRIBUTED FILE SHARING

January 2018 - May 2018 | Trichy, IN

- Distributed file sharing using cluster of servers for indexing and upload restrictions and websocket clients to handle chunked files.
- Technologies used: Vert.x, Apache ignite as cluster manager and data store.

### PRAGYAN ANDROID

December 2016 - March 2017 | Trichy, IN

- Designed the app architecture and led a team of 8 developers
- Technologies used: RxJava, RxAndroid, Dagger2, Retrofit, FCM, TravisCI, API.AI, AR

## OPEN SOURCE

### ECLIPSE VERT.X

- Add support for http2 web push and link preload
- Add configurable suffix for compressed files and tests in StaticHandler

### POPVIEW ANDROID

- Android library available on jcenter with over 400 stars on github
- Pop animation with circular dust effect and traceback animation.