

# Kritin Garg

Mob: +82-10-2814-5342,  
Email: kritingarg0209@gmail.com  
[Linkedin](#) [Homepage](#) [Blog](#)

## Education

B.Tech with honors in Computer Science and Engineering  
Minor : Applied Statistics  
IIT Bombay, India (2017-2021)  
CGPA : 9.79/10  
Department Rank 5

Intermediate, 2017  
St. Joseph Convent School, India  
Percentage: 96.8%

## Skills

### Languages:

Java, Kotlin, Python, C++, Bash, SQL, Typescript, Javascript

### Frameworks:

SpringBoot, Django, Angular, Android, Flutter, GraphQL

### Developer Tools:

AWS, Jenkins, Datadog, Git Docker, Oracle DB, PostgreSQL

## Achievements/Awards

- Received **Institute Academic Prize** in 2018, given to top 10 students
- All India Rank **22** in JEE Mains 2017 out of 1.2 million candidates
- All India Rank **56** in JEE Advanced 2017 out of 150 thousand candidates
- Among top 35 students selected for INCHO and INJSO camp by HBCSE
- Recipient of KVPY & NTSE scholarship

## Coursework

- Computer Networks
- Operating Systems
- Introduction to Blockchain
- Database and Information Systems
- Computer Architecture
- Foundations of Machine Learning

## ExtraCurriculars

- CSE Department Academic mentor
- Teaching Assistant at IIT Bombay
- Conducting tech talks at Samsung
- Member of Samsung Football club

## Experience

### Samsung Electronics, HQ | Software Developer Sept '21 - Present

- Received **Software Engineering Award** in annual developers review, given to top 10 employees across Samsung Visual Display division
- Managed a team consisting of 4 developers from SRI-Delhi dedicated to product testing, dev-ops tasks and feature development
- Responsible for the development and maintenance of Samsung Smart TV apps registration and verification portals ([Project Link](#))
- Designed and developed a **microservices** based architecture for the registration portal, integrated with Spring Cloud based **API-Gateway**
- Improved user experience by implementing custom web socket based notification and 1:1 Q&A functionality for Smart TV app developers
- Developed a separate microservice for periodically running batch jobs along with an admin portal for their easy management
- Worked on a regression model to predict App pass/fail status on testing using app metadata, helped to save QA team resource by over 30%
- Involved in **Cloud Infrastructure Management** using AWS services

### Syfe | Software Developer (Intern) May '21 - Jul '21

- Improved workflow of several API endpoints, reducing execution time by 10% - 50% using Java Profiling tools like **Datadog** and **JProfiler**
- Developed support for distributed processing of jobs (generating trading statements) on multiple containers while ensuring data consistency
- Implemented kafka based event handling for various asynchronous tasks

### Samsung Electronics, HQ | Intern May '20 - Jun '20

- Built an **Android** app-based **Chatbot** to resolve developer queries regarding Samsung Smart TV app development documentation

### AWL Inc | Intern Mar '20 - Apr '20

- Trained a single model to perform age, gender and mask classification for both mask wearing and non-mask wearing faces using Pytorch

### IRISA | Research Intern May '19 - Jul '19

- Designed algorithms with better time complexity to verify opaqueness (security) of the system in an Interval Markov Chain ([Paper](#))

## Projects

### College Management System | Startup MVP Sep '20 - Mar '21

- Developed a complete college management platform with separate interface for students and teachers in Flutter (both app and website)
- Created a secure platform for conducting online exams while minimizing cheating possibilities using VPN and encryption methods

### Health Management System | IIT Bombay Jan '20 - May '20

- Developed the system for managing the medical history of patients based on the idea of paperless **Electronic Medical Records** (EMR)