

# Harshit Raghuvanshi

Software Development Engineer

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## Work Experience

### Cisco Systems (India) Pvt. Ltd.

#### Senior Software Engineer

November 2021 - Current

Bangalore, Karnataka, India

- Heading the current core Rebate (calculation) Engine and Founding member of the NextGen Rebate Engine.
- Maintain code quality and mitigate vulnerabilities in applications.
- Scaled up to become subject master expert on various scopes.

#### Software Engineer

August 2020 - October 2021

Bangalore, Karnataka, India

- Created RESTful Service as a microservice based on Spring boot .
- Implemented OAuth 2.0 and user access management.
- Implementing Pool managers and caching to improve performance.
- Developed the complete audit log framework.
- Managed CI/CD pipelines along with load balancer configurations.

#### Software Engineer Intern

January 2020 - June 2020

Bangalore, Karnataka, India

- Developed a POC merging different frameworks like Struts, Spring and AngularJS, optimizing, refactoring and cleaning the legacy code.
- Developed and integrated custom cache management.

### Janitri Innovations Pvt. Ltd.

#### Software Engineer and Image Processing Intern

May 2019 - July 2019

Bangalore, Karnataka, India

- Built complex custom image processing algorithms on OpenCV to clean the images and process in batches for optimal throughput.
- Developed Android app using MVVM architecture for the end user.
- Optimized resource handling to increase throughput by up to 8x.

## Education

### Manipal Institute of Technology

B.Tech in Computer and Communication Engineering 7.84 CGPA

August 2016 - August 2020

Manipal, Karnataka, India

## Projects

**Ticker** Microservice application suite to automate trading

Apr 2021 - Current

- Built application suite on microservice architecture.
- System design prototyping and evaluation for robust application and fast development.
- Autonomous homogeneous MySQL databases for backend.
- Microservices based on Spring boot and Python for API layer.
- Implemented custom task executors and thread pools.

**XDA Developers** Contribution to multiple open source projects

May 2013 - Feb 2015

- Developed Android OS based on Android Open Source Project.
- Contributed to Open Source projects like CyanogenMod and LineageOS.

## Technologies

**Well versed:** Java, Python, C++, Android, SQL

**Familiar:** TypeScript, Angular, Bash, HTML/CSS

**Tech used:** Maven, Gradle, Git, OpenCV

**Courses:** OOP, Data Structures, TCP/IP, OS, DBMS, Software Design, Parallel Programming, Data Mining, Embedded Systems

## Achievements

### ICPC Regionals

2018-2019

- Rank 36 in ICPC Kharagpur region.
- Rank 46 in ICPC Kolkata-Kanpur region.

### Academic awards

- Top 1 percentile in high school.
- Awarded silver medal in state level maths competition.

## Positions of Responsibility

**IECSE** Vice-Chairperson

2016-2019

- Lead the largest technical club of the university.
- Managed events and sponsors, and orchestrated working and managing committees.
- Organized various workshops like Google Developer Group and datastructures.

**TechTatva** Event head

- Event heads of technical and non-technical events in college tech fest.

## Other Projects

**Wind Down** Jan 2019 - Apr 2019

- An Android app with all the basic phone features to reduce distraction.
- Integrated third party libraries like Retrofit and Glide.

**Fitness Tracker** Oct 2018 - Nov 2018

- A JavaFX project to track fitness habits stored in MySQL.

**HandGest Drone** Feb 2017

- Implemented hand gesture recognition using OpenCV for Python.