Harshit Raghuvanshi

Software Development Engineer

@ rharshit98@gmail.com   📞 +91 9969817450   in /in/Harshit-Raghuvanshi   ⌗ /rharshit

Education

Manipal Institute of Technology
B.Tech in Computer and Communication Engineering   7.84 CGPA
📅 August 2016 - August 2020   📍 Manipal, Karnataka, India

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 memeber** 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**.

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.
- Microservies 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 Anroid 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 habbits stored in **MySQL**.

HandGest Drone   📅 Feb 2017

- Implemented hand gesture recognition using **OpenCV** for **Python**.