Harshil Yadav

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EXPERIENCE

SAMSUNG RESEARCH | Software Engineer
Jun 2018 – Present | Noida, India

- Currently working in **Knox Enterprise Framework TG** under the Biz Solutions R&D division.
- Revamped the **Domain Filter Cache** design to reduce overhead API calls.
- Devised Knox **MultiVPN framework** to support multiple per-app VPN connections.
- Developed an **Enterprise Billing System** for the operators to generate bills separately for personal and enterprise traffic.
- Monitored ongoing operation of assigned projects and responded to problems by diagnosing and correcting logic and coding errors.
- Upgraded **Knox Workspace Keyguard** module codebase from Android P to Android Q and undertook unification with **Google's Work profile**.
- Boosted the Secure Folder Keyguard performance by **30%** which has more than 1 billion application downloads on Play Store.
- Collaborated internationally with **Samsung HQ** and **SRA** on flagship smartphones feature development.
- Tech Stack: Java, C++, Android Framework, Samsung Knox SDK, JIRA, Perforce, GIT

ALTRAN | Software Engineering Trainee
Dec 2017 – Jan 2018 | Gurgaon, India

- Worked in the Analytics and Research department. The key objectives were **Social Media Analysis** using System Dynamics.
- Developed a hybrid **Machine Learning-System Dynamics** model using R and Vensim for analysis and prediction of key metrics in the Global Connectivity Index dataset.
- Carried out Twitter Sentimental Analysis and its visualization using Python and NodeXL on popular trends of the **IoT** domain.
- Tech Stack: Python, R, Vensim PLE, NodeXL, Twitter API

SAMSUNG RESEARCH | Software Engineering Intern
Jun 2017 – Jul 2017 | Bangalore, India

- Worked in the Samsung Pay team on the **Wallet Hub** project.
- Developed a messaging application to let users perform money transactions through special keywords using SPay and integrated it with the **Samsung Pay** app.
- Designed card payment functionality in Samsung Pay SDK for **SPay Mini** supported devices.
- Tech Stack: Java, Android, Samsung Pay SDK, Perforce

ACHIEVMENTS

- Gold badge in Java and Problem Solving on HackerRank.
- Secured 4th rank in Samsung Noida Codeathon.
- Solved more than 300 questions on competitive programming websites.
- Finalist in SPARK 2, ShopClues Hackathon 2017.

SUMMARY

Successful Software Engineer offering more than 2 years of experience in demanding environments focused on producing cutting-edge systems. Skilled in development with creative and performance-oriented approach. Well organized and customer-focused with proven skills in project management and team leadership.

EDUCATION

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY
B.E. in Computer Engineering
Aug 2014 - Jun 2018 | Delhi, India
CGPA : 8.02

N.C. JINDAL PUBLIC SCHOOL
Class XII, AISSCE
March 2014 | Delhi, India
Percentage : 94.6%

Class X, AISSE
March 2012 | Delhi, India
CGPA : 10.0

SKILLS

PROGRAMMING LANGUAGES
Java • C++ • C • R • Python

COMPUTER SCIENCE
Data Structures • Design and Analysis of Algorithms • Operating Systems Computer Networks • DBMS • Object Oriented Programming

TECHNOLOGIES
Android • SQL • Firebase • Git • Perforce • JIRA

LINKS

Website:// **HarshilY**
LinkedIn:// **harshilyadav**
Github:// **yharshil**