

Harshil Yadav

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EXPERIENCE

SAMSUNG RESEARCH | SOFTWARE ENGINEER

Jun 2018 – Present | Noida, India

- Working in Knox Enterprise Framework TG under the Biz Solutions R&D.
- Responsible for maintaining support for Knox container which isolates the apps from the rest of the device to prevent sensitive information from being compromised.
- Successfully ported Knox Workspace Keyguard and legacy client C++ APIs from Android P to Android Q. Improved the stability of the existing module.
- Improved the Secure Folder keyguard performance by up to 30% and implemented new features based upon consumer feedback for the mass market and flagship devices.
- Worked and collaborated internationally with Samsung South Korea.
- Tech Stack: Core Java, C++, Android, Samsung Knox SDK, JIRA, Perforce

ALTRAN | SOFTWARE TRAINEE

Dec 2017 – Jan 2018 | Gurgaon, India

- Worked in Analytics and Research team. The key objectives were social media analysis using System Dynamics.
- Created a hybrid Machine Learning-System Dynamics model using R and Vensim to analyze and predict the Index score from the Global Connectivity Index dataset.
- Performed Twitter Sentimental Analysis and visualization using R and NodeXL features on the latest trends of IoT domains.
- Tech Stack: R, Vensim PLE, Machine Learning, 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.
- Created one to one messaging app which lets users request money through special code using Samsung Pay and integrated it with the main Samsung Pay application.
- Implemented card payment functionality in Samsung Pay SDK for SPay Mini supported devices.
- Tech Stack: Core Java, Android, Samsung Pay SDK, Perforce

PROJECTS

CREDIT CARD FRAUD DETECTION

- Hybrid Deep Learning model to detect credit card fraud using Self Organizing Maps and Artificial Neural Networks.
- Dataset used is from UCI Repository and SOM used is MiniSom. Achieved an accuracy of 97.1%.
- Tech Stack: Python, Deep Learning, Neural Networks

MOVIE RECOMMENDATION SYSTEM

- Machine Learning model to generate some movie recommendations for an user, given movies they have already watched, and the ratings they gave for those movies.
- Neighbor based collaborative filtering model and Matrix Factorization was used to train on MovieLens Dataset.
- Tech Stack: Python, Machine Learning

SUMMARY

Results-driven Software Engineer with 2+ years of experience in strategic problem-solving and building secure applications. An excellent team player with positive attitude.

EDUCATION

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

B.E. IN COMPUTER ENGINEERING

Aug 2014 - Jun 2018 | Delhi, India

Percentage : 73.17%

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

Core Java • C++ • C • Python

TECHNOLOGY

Data Structures • Design and Analysis of Algorithms • Operating Systems
Android • Spring Framework • OOPs
Machine Learning • SQL • Git

WEB

HTML5 • CSS3 • Bootstrap

ACHIEVEMENTS

- Solved more than 200 questions on competitive programming websites.
- Gold badge in Java and Problem Solving on HackerRank.
- Selected among top 15 teams nationwide in SPARK 2, ShopClues Hackathon 2017.

LINKS

Website:// @Harshil

LinkedIn:// harshilyadav

Github:// yharshil