Shivam Singh Rajput

ssrajput543@gmail.com | +91-9098965207 | LinkedIn: linkedin.com/in/ssrajput543/

WORK EXPERIENCE

Samsung R&D Institute, Noida, India
Software Engineer

JUNE 2018 - PRESENT

- Working on Android Framework as a part of the System UI team.
- Responsible for Wallpaper Settings System Application known as DressRoom and it's related framework.
  - Setup Samsung code base for Wallpaper Framework for Q OS and R OS.
  - Reduced time taken in setting wallpaper by 1.5 sec.
  - Developed multipack wallpaper feature for Samsung Foldable mobile devices like Samsung Fold 2, Z-Flip etc.
  - Worked on the Wallpaper Preview feature in Dressroom in R OS.
  - Samsung OMC type wallpaper data parsing feature task implemented.
  - Wallpaper Data Modelling for Featured and Downloaded wallpapers in Dressroom.
  - View Task implemented for Extended AppBarLayout in Dressroom.
- Worked on the following features on Samsung Calendar Application:
  - Creation of event and task.
  - Change of Samsung Calendar UI on the basis of year, month, or week selection.
- Worked on a new solution for Face Unlock using Camera and AI technology.

EDUCATION

National Institute of Technology, Bhopal
B.Tech. Computer Science and Engineering

2014 - 2018 | CGPA: 8.25 / 10

PROJECTS

ECG Signal Classification

- ECG is used for detection of several cardiac abnormalities.
- Classified unknown ECG waveforms into one of the 4 discrete classes using Neural Networks, to determine cardiac diseases and their progress in the human body.

Wind Power Prediction

- A Comparative study of various SVRs modelled on wind energy production problems.
- Applied feature engineering and tuned parameters using gridsearch to obtain optimal value of the errors.
- Implemented a modification of the Support Vector Machine Algorithm using Python.

Event Management System

- This platform provides various services like catering service, decoration etc. to organize events by connecting Service Provider and Customer.
- Developed a dynamic website with 3 interfaces: Customer, Service Provider and Admin. Used HTML, CSS, JS, MySQL, PHP.

SKILLS

Languages: C++, C, Java, Python, PHP

Databases: MySQL

Packages: OpenCV, Pandas, Numpy, Keras, Tensorflow lite

Softwares: Android Studio, Jupyter Notebooks

ACHIEVEMENTS

- Awarded as 'Wonder Idea' in Samsung Hackathon 2020.
- Employee Of the Quarter Award 2020 for Quarterly Performance.
- Secured 8104 rank in JEE Mains 2014.
- Recipient of IOCL scholarship by Indian Oil Corporation Limited in 2014.

COURSEWORK

- Machine Learning
- Neural Networks
- Data Structures and Algorithms
- Object Oriented Programming and Design
- System Design
- Web Development