EXPERIENCE

QUALCOMM, HYDERABAD (SOFTWARE ENGINEER)

July 2017 - Present

Integral role in designing and developing various tools and test suites that stress the android processor and find stability issues which helps enhancing overall performance of chipset.

- Key role in development of Smart UIStress suite an Al based android application to simulate real time user actions along with concurrent scenarios on a mobile device.
- Integral role in rebucketing of similar issues using unsupervised machine learning (k-means clustering) based on various attributes processed from logs.
- Responsible for transition of various tools across android versions (Android O, P and Q) and target versions (SDM670, SDM855 and SM8250).
- Integral role in development of a decoupled python automation framework responsible for executing various testsuites and reporting issues on multiple targets.

JUSPAY TECHNOLOGIES, BENGALURU (SOFTWARE INTERN)

May - July 2016

- Implemented a rule-based chat bot AVA (Advanced Virtual Assistant) for helping users to make successful payment if needed.
- Responsible for development of customer friendly web page for recovering password for SBI and Axis Bank net banking users using React.

IIT KHARAGPUR (RESEARCH INTERN)

May -July 2015

Implemented a user authentication system with the help of Triplet Attribute-Based Feature Vectors of fingerprint images using various fingerprint matching algorithms involving minutiae points on the fingerprint and triangle attributes formed from them.

EDUCATION

NIT DURGAPUR

July 2013 - May 2017

Bachelor of Technology in Computer Science & Engineering

GPA 9.27/10

PUBLICATION

Uncertainty based genetic algorithm for random fuzzy maximum flow problem

Proposed and implemented solution for investigating uncertain maximum flow of a network whose capacities are random fuzzy variables using varying population genetic algorithm with indeterminate crossover.

Published in Expert Systems journal: Volume 35, Issue 4 (el 2264)

TECHNICAL SKILLS

Programming Languages

C/C++, Java, Python, Shell, Perl, MySQL, HTML, CSS, Javascript Android Studio, OpenCV, Tensorflow

Framework & tools

EXTRA CURRICULARS

Creative Lead - GNU/Linux Users' Group, NIT Durgapur

2014 - 2017

- Inclined towards designing posters, website and other advertisements.
- Played a major role in conducting events and workshops throughout the year and in Mukti NIT Durgapur's technical FOSS Symposium.