PRAGYA ANAND

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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 AI 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

GEORGIA INSTITUTE OF TECHNOLOGY, ATLANTA   Spring 2020 - Present

Online Master of Science in Computer Science

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

Framework & tools   Android Studio, OpenCV, Tensorflow

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.