Tharun Gowrishankar

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	Adambakkam, Chennai, India
Date of Birth:	02 June 1994
Nationality:	Indian

WORK EXPEREINCE

08/2020 – Current

Senior Software Engineer,
NortonLifeLock, Chennai, India
- Developed new Home page for browser extension using ReactJS
- Collaborated with cross-functional development team members to analyze potential system solutions based on evolving requirements
- Developed a new Software Development Kit using Typescript and React for annotating search results based on websites credibility score
- Performed Threat modelling for SDK using Microsoft Threat Modelling tool
- Suggested improvements to team and project workflow based on my start-up experience

07/2019 – 07/2020

Full Stack Software Engineer,
FoureKites, Chennai, India
- Orchestrated development and testing of an integration platform using Ruby on Rails which reduced the time spent by engineers about 80%
- Developed scripts to pull information about Less then truck loads (LTL) information from carriers such as Fedex, XPO and UPS
- Authored code fixes and enhancements for inclusion in future code releases and patches
- Collaborated with performance engineers to analyze the impact on performance, a microservice would bring to the application running on AWS
- Recognized redundant work done by Quality Assurance and applied automation techniques, bolstering the efficiency of the team

06/2018 – 06/2019

Software Engineer,
Symantec Software Services India Pvt. Ltd., Chennai, India
- Developed UI using react JS for Norton Password Manager (Cross Browser Extension)
- Proposed design level changes to Software Architects and increased the Efficacy of (Username/Password, Credit Card Fields) detection on Norton Password Manager

- Analyzed performance of Norton Safe Search (Cross Browser extension) and implemented a design change which decreased DOM (Document Object Model) Load time by 20%
- Successfully build an infrastructure for integrating Norton Safe Search with Yahoo as search partner
- Developed Unit Test cases using Jasmine Framework for constructing a stable product

05/2015 – 06/2018   **Associate Software Engineer,**
Symantec Software Services India Pvt. Ltd., Chennai, India

- Developed UI Automation framework for testing Norton Antivirus application on windows platform
- Worked effectively with design teams to implement a robust Software downloader application which elevated client-side experience
- Streamlined the integration of difference components of Norton Antivirus and released it into production efficiently
- Developed a feature for an in-house innovation contest using C++ for Norton Antivirus Windows Application

EDUCATION

08/2011 – 04/2015   **B.Eng. in Information Technology,**
College of Engineering, Guindy (CEG), Anna University
Chennai, India

- Focus: Designing algorithms, Database management systems, Data Structures, Computer Network, OS, Unix Internals
- Final grade: 2.1

Bachelor Thesis:
Topic: **Dynamic Frame skipping algorithm for transcoding in Mobile Devices**

- Implemented algorithm using image analyzing techniques to find salient features and optical flow between frames
- Used Error metrics such as Mean Square Error (MSE) and Peak Signal to Noise Ratio (PSNR) compare results with other transcoding techniques

Topic: **Natural image text detection using stroke width transform and recognition by using character recognizer**

- Implemented using C++ and recognized letters by training a model to identify the letters
- Used K-Mean Clustering and SVM Based machine learning techniques to detect text

PROJECT EXPEREINCE

2020   Successfully deployed integration platform for onboarding customers(carriers/shippers) easily into FourKites Visibility platform

2019	Worked closely with performance engineers to analyze the impact on performance, a feature would bring to the FourKites visibility platform running on AWS
2018	Resolved core issues through the redesign of the Norton Password Manager for identifying credit/debit card form fields to be filled by browser extension
2016-17	Developed UI Automation framework for testing Norton Antivirus application on windows platform
2015	Developed Android Mobile application with push notification feature for University Symposium

CERTIFICATIONS AND ACHIEVEMENTS

01/2020	Received multiple award from NortonLifeLock for "Results Beyond Expectations"
02/2018	Nano Degree Deep Learning Foundation, Udacity
05/2017	Neural Networks and Deep Learning, Coursera

ADDITIONAL SKILLS AND QUALIFICATION

Language skills	Tamil, Native English, business fluent in spoken and written
Software skills	Ruby on Rails, Node JS, JavaScript (Vanilla JS, React JS), Amazon Web Services (AWS), Elasticsearch, PostgreSQL, Redis Cache, C++, Webpack, Jenkins, HTML, CSS, RSpec/Jasmine Unit Testing framework, Python, Git, Selenium, NPM
Computer skills	Good command of MS Office products
Soft skills	Good communication skills, good team player and flexible at work

HOBBIES

Trekking, Cycling, Travel and Volleyball

Chennai, 07 June 2021

(Tharun Gowrishankar)