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LinkedIn Profile | GitHub | Website

EDUCATION

Stevens Institute of Technology **Hoboken, New Jersey, USA** **May 2020**
- Master of Science, Computer Software Engineering
- Coursework: Web-development; Machine Learning; Data Structures; Deep Learning; Agile Methods

SRM University **Chennai, Tamil Nadu, India** **May 2018**
- Bachelor of Technology, Electronics and Computer Engineering, Publication

TECHNICAL SKILLS

- Programming languages: Python, C++, JavaScript, C, Java, MATLAB, Kotlin, SQL, HTML5/CSS3
- Software/ Database: Windows, macOS, Linux, Android, iOS, MS Office 365, MySQL, MongoDB, DynamoDB
- Frameworks/ Tools: React, React Native, Flask, Django, Express, Node, TensorFlow, Keras, Git, Docker, AWS, Bash

EXPERIENCE

Meltek Inc, (Remote) - (Link) **Software Development Engineer** **July 2020 – present**
AI based SAAS platform: Web Service (C++, Python, AWS, MATLAB, JavaScript, Bitbucket, JIRA)
- Drive development of machine learning tooling and infrastructure to improve the scale and efficiency of software
- Design, review, implement and optimize data transformation processes, back-end services in AWS
- Integrate software with third party services and APIs for use in identity, cryptographic signing and interoperability
- Translating product ideas and architectures into running, well-tested code and performing code reviews

Equinox, New York City **Software Engineer, Intern - Data** **February 2020 – May 2020**
Equinox Data Infrastructure: Mobile Application (AWS, Python, Charles, JavaScript, React Native, Bitbucket, JIRA, Bash)
- Improved activity feed ranking for low volume content by creating offline (A/A) and online (A/B) testing pipeline
- Enhanced app stability by 30% via fixing top crash bugs, constructing API's and performing QA. (usage 10K+ users)
- Aggregated analytics implementations and setup daily script for performance metrics such as reach, impressions

ImmaBe (Startup) - (Link) **Software Engineer, Intern - Web** **July 2019 - September 2019**
Online Social Network: Web Application (Python, JavaScript, ReactJS, Full-stack development, GitLab, SQL, Linux, Bash)
- Architected a highly optimal recommendation system to provide personalized service for career paths to users
- Reduced time to render user's list by 75% upon limiting the number of DOM elements per entry
- Improved retrieval of data by 300ms by improvising a MySQL database to query cache

Caterpillar Inc, India **Software Development Intern - ML** **May 2017 - August 2017**
Caterpillar ML Technology: Web Dashboard and Application (Python, Neural Networks, JavaScript, Linux, Bash, C++)
- Design, Developed, Tested, Optimized and Deployed the application to classify images for autonomous haul trucks
- Led consolidation of 8 data systems into 1, increasing developer productivity by 40% in a team environment
- Developed automation tools to improve coverage and handled incoming stream data from front-end to back-end

ACADEMIC PROJECTS

Image-Net: Website to predict user's images - (Link)
- Developed a web application to predict images based on transfer learning with Convolutional Neural Networks
- Seamlessly integrated the TensorFlow backend to a web server using Flask to optimize computational performance
- Utilized: Python, Flask, TensorFlow, Keras, Bokeh, HTML5, CSS3, GitHub, Bash, Linux

OSSP App: Open-Source Business platform - (Link)
- Developed an Android application to effortlessly allow users to register, create, design, deploy businesses online
- Devised, tested Microservices carrying app and business logic resulting in extended scalability of features by 85%
- Directed Docker configurations for Microservices, database, API to achieve consistency in packaging software
- Utilized: Kotlin, Java, NodeJS, Python, Flask, Express, Gradle, Docker, Linux, Bash, GitHub, Travis CI, Swagger Docs

ACCOMPLISHMENTS

- Won second place out of 250 applicants in "The Data Incubator NYC" contest with a standout productivity tool

Available – December 2020