

## Work Profile

### **Name: -**

MSc (Master of Science: Computer Science And Programming)

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Programmer with over 6 years of successful experience in software development and deployment at scale. Recognized consistently for performance excellence and contributions to the team success. Strengths in programming and system design.

### ***Skillsets / Expertise***

Total Work Experience (Yrs)	:	6+
Programming Languages	:	NodeJS, Python, PHP, Vue.JS, React.JS, Angular.JS
Web languages Technologies	:	Angular.JS
Operating System	:	Windows XP / 7 / 8 / 10, Unix
RDBMS	:	MYSQL
Others	:	Keras, scikit-learn API Design, System Arch, Debugging, Server Arch, Natural Language Processing, Machine Learning. Worked on Natural Language Processing Module (chatbots) implemented on Facebook Messenger without the use of a 3rd party NLP API (like dialogueflow / WIT.ai). Worked on a time-table generator using genetic algorithm.
Certifications	:	AI for Robotics By GEORGIA TECH NLP With Deep Learning By STANFORD

### ***Work Experience***

#### **1. Project: -** Insuid

This is web based application using ML and DL techniques: -

- Indoor positioning system (IPS) - used SLAM (simultaneous localization and mapping) used to create maps and to locate a moving object (the user in this instance in the given map)
  - Natural Language Processing (NLP) - used GLoVe word embedding and used a LSTM (Long short-term memory) to train a neural net using these word embeddings for intent classification and entity extraction.
  - Used keras to build the LSTM network
- Single handedly completed the first NLP project under a month.
  - Worked on the team assigned to create internal proprietary indoor-navigation system.
  - Engaged with UX designers to plan, optimize and fix issues and queries, on our in-app voice assistant technology.

- Working on business logic in the app-side and helped UI developers create new UI components in Vue.js, React.js and Angular.
- Created APIs and collaborated with the development team.
- Created and improved on system architectures.
- Choosing and implementing the best approach for solving a particular problem - frameworks, libraries, server architecture and communication protocols (HTTP / CoAP / MQTT / WS)
- Directed technological improvements, reducing waste and business bottlenecks.
- Shaped solutions and approaches by leveraging trends in customer marketplaces and industries.
- Supported and supervised team of 6-7 designers and developers.
- Oversaw business-wide changes to modernize procedures and organization.
- Worked on projects at a scale, collaborated with various teams - UI/UX designers, UI developers, app developers to craft solutions.
- Researched new technologies, software packages and hardware products for use in projects.
- Working alongside the system architect on our key products and other IPs.

Technologies: -

**HTTP**  
**CoAP**  
**MQTT**  
**WS**  
**Vue.js**  
**React.js**  
**Angular**

## **2. Project: -** Scheme Automation

- Created web platform & worked with digital marketers to improve on SEO and site ranking.
- Worked on automating social media handles - posting, comment replies and general FAQ handling.
- Created a push notification system for their web app using service workers.
- Established presentation consistency across Chrome, Safari, Firefox and other common browser interfaces.
- Design, implementation and monitoring of web pages, plugins and functionality for continuous improvement.
- Generated web hosting presence to accommodate specified needs, uploading and maintaining files on account.

- Wrote lines of code using HTML, CSS, JavaScript, jQuery, PHP and Python languages.

Technologies: -

**JavaScript**  
**PhP**  
**Python**  
**HTML / CSS**  
**jQuery**

### **3. Project: - MIS Development**

- Global leader in translation and localization.
- MIS excel / VBA team member
- Rapid app prototyping team - android, web apps and desktop apps

Technologies: -

**VBA**  
**Android**  
**WebApps**

### **4. Project: - Arpan**

- World's largest NGO working on the issue of Child Sexual Abuse.
- The challenge they faced was managing the large dataset that they had; their data was largely held in excel datasheets with many different formats of sheets distributed amongst different teams and employees.
- Created scripts to consolidate data, and MIS software to mine and display data in a human readable and comparable format.
- Using Python, PHP and VBA.

Technologies: -

**VBA**  
**PhP**  
**Python**