

Gnanamanickam Arumugaperumal

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EDUCATION

- **University of Illinois at Chicago** Chicago, USA
Masters in Computer Science; GPA: 4.0/4.0 Jan 2021 - May 2022
- **Anna University** Chennai, India
B.E in Electronics and Communication; GPA: 7.74/10 July 2012 - June 2016

PROGRAMMING SKILLS

- **Languages:** Java, Python, Scala, Javascript, Node.js
- **Web Technologies:** HTML5, CSS, SASS, Bootstrap
- **Frameworks:** Spring-Boot, Django, Express, React, Angular, Vue
- **Database:** MySQL, Oracle, MongoDB

EXPERIENCE

- **UI Health** Chicago
Developer - Research Assistantship Aug 2021 - Present
 - Worked closely with the researchers of National Institutes of Health on decision making and scope of future projects and innovation for their research topics and developed a IRB approved application which enables the users to connect securely and access the content based on their research group and also connect with the research team.
- **Apple Performance Team** Bangalore
Full Stack Developer - Apple Inc, Wipro Technologies Feb 2020 - Dec 2020
 - Analyzed data from 1lakh+ jmeter generated jtl files and created a data comparison application using Angular and Spring-Boot REST APIs to compare the performance of multiple internal applications. Also responsible for deploying and maintaining the application in AWS.
 - Wrote a Shell script to convert the jtl file into CSV to save them in MySQL and designed the schema for it.
- **Conditional Rebate Tool** Chennai
Full Stack Developer - Apple Inc, Wipro Technologies Jan 2019 - Feb 2020
 - Overhauled the obsolete legacy source code of the application created using React and Spring, resulting in increased usability and reduced run time performance by 50 percent.
 - Assesses and develops design requirements for project and communicates in writing or in meetings with development team while assessing detailed specifications against design requirements and architecture.
- **Multi Tenant Platform** Chennai
Full Stack Developer - Apple Inc, Wipro Technologies Jan 2019 - Feb 2020
 - Provided Technical Leadership to a team of five members using Progress Tracking tool and improved the work efficiency by 50 percent using Agile methodologies which ensured client satisfaction and on time product delivery.
 - Single page Web-Application using React and Spring for building RESTful Web Services with custom features which aims at giving training to the internal Apple users.
- **Apple Online Store** Bangalore
Software Developer - Apple Inc, Wipro Technologies March 2017 - Jan 2019
 - Collaborated with the other teams within the design and development to identify and quickly troubleshoot, resolve problems and help in bug fixing to ensure cohesive and immense user experience.
 - Created a application that captures overall state of clusters and performed real time data analysis using hazelcast In-Memory Computing Platform.
 - Enhanced ETL pipelines on Hadoop HDFS data using Apache Spark which helps for the data analysis and reduced the runtime of Spark Jobs by 50 percent.

PROJECT

- **Cloud Computing:** Created a cloud simulator using cloudSimPlus framework using Scala for evaluating executions of different mixes of SaaS, PaaS, IaaS and FaaS model implementations in cloud Datacenters with different characteristics and deployment models for building high-assurance Applications with different Cloud-Hosted Services.