Gnanamanickam Arumugaperumal

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EDUCATION

- **University of Illinois 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, React, Angular, Vue, Django, Express
- **Database**: MySQL, Oracle DB, MongoDB
- **Cloud Technologies**: AWS, Azure

WORK EXPERIENCE

- **UI Health** — Chicago
  Developer - Research Assistant — *Aug 2021 - Present*
  - Collaborated with the researchers of the National Institutes of Health on decision making,the scope of future projects, and developed an IRB approved application to enable more than 1000 users to connect securely to access the content of their group, connect with the team.

- **Apple Performance Team** — Bangalore
  Full Stack Developer - Apple Inc, Wipro Technologies — *Feb 2020 - Dec 2020*
  - Engineered a Data Comparison Application using Angular and Spring-Boot framework with the data generated via JMeter to compare the performance of multiple applications and drafted recommendations to improve performance, enabling the organization to solve issues and increase productivity by 150 percent.
  - Wrote a Shell Script to automatically store the JTL data in Database after execution of Jmeter Script, resulting in the reduction of tedious manual work of checking it manually and consolidated a massive amount of time and cost close to 100 percent for the management.
  - Designed and implemented stored procedures and views for MySQL database to store the data around 2TB.
  - Automated the deployment and maintenance of AWS infrastructure and lessened 50 percent of the cost for build, deployment, and migration.

- **Conditional Rebate Tool** — Chennai
  Full Stack Developer - Apple Inc, Wipro Technologies — *Jan 2019 - Feb 2020*
  - Overhauled the obsolete legacy source code of the application implemented using React and Spring, resulting in increased usability and reduced run time performance by 100 percent.

- **Multi Tenant Platform** — Chennai
  Full Stack Developer - Apple Inc, Wipro Technologies — *Jan 2019 - Feb 2020*
  - Guided a team of five members and provided technical leadership using Progress Tracking tool and improved the work efficiency by 50 percent using Agile methodologies ensuring on-time product delivery.
  - Developed a single page Web-Application using React and Spring for building RESTful Web Services with custom features that aim at giving training to the internal Apple users and serve around 50000 users a day.

- **Apple Online Store** — Bangalore
  Software Developer - Apple Inc, Wipro Technologies — *March 2017 - Jan 2019*
  - Oversaw and communicated with team members to identify and quickly troubleshoot, resolved problems and assisted in bug fixing to ensure cohesive and immense user experience.
  - Devised an application using Java to capture the overall state of clusters and perform real-time data analysis of data amounting to 100s of Gb using hazelcast In-Memory Computing Platform enhancing the management's ability in decision making.
  - Enhanced ETL pipelines on Hadoop HDFS data using Apache Spark to helps with the data analysis and improved the runtime of Spark Jobs by 50 percent.

ACADEMIC PROJECT

- **Distributed System using Cloud Computing**: Implemented Streaming Data Pipeline for 100s of log files stored in AWS S3 bucket using Akka cluster-sharding and delivered it via an event-based service, Kafka to Spark for big data processing to obtain valuable insights.