

# Vignesh Perumal Samy

(857)-313-2344 | Boston, MA | perumalsamy.v@northeastern.edu | LinkedIn: vigneshperumal2 | GitHub: VigneshPerumal2

Full Stack Developer with 2+ years of hands-on experience designing, developing and implementing applications and solutions with a range of technologies. Proven ability to take initiative and lead projects from ideation to deployment. Strong teamwork and communication skills, able to work collaboratively with cross-functional teams to achieve project goals

## Education

<b>Master of Science in Information Systems</b> , Northeastern University, Boston, MA <i>Courses: Application Engineering and Development, Database Management and Database Design Object Oriented Programming Concepts, Data Structures and Algorithms</i>	May 2024
<b>Bachelors of Computer Science and Engineering</b> , JSS Academy Of Technical Education, Bengaluru, India	Jun 2020

## Experience

<b>Senior Software Engineer - Accenture</b>	<b>November 2020 — August 2022</b> Bengaluru, India
<ul style="list-style-type: none"><li>Built and accomplished 140+ API's with Java SpringBoot, Python Flask, MySQL and MongoDB</li><li>Led as a Team Lead of a cross-functional team that performed Application Security Testing making it SAST and DAST ready</li><li>Engineered advanced RSA+AES cryptography to assure safe end-to-end communication</li><li>Automated API deployment and data retrieval processes using Jenkins Pipeline and SpringBoot, resulting in a 30% improvement in efficiency and reduced manual effort</li><li>Strengthened data security by performing Vault functionality to securely store critical credentials</li><li>Promoted twice from Junior Analyst to Senior Developer in 1 year, showcasing exceptional performance, presentation and technical expertise. Fast learner with a passion for technology and commitment to delivering quality work</li><li>Conducted mentoring for 4 interns, resulting in 2 being offered full-time positions at the company</li><li>Demonstrated ability to effectively communicate complex technical concepts to both technical and non-technical stakeholders through group discussions and presentations</li></ul>	

## Skills

<b>Backend Technologies</b>	Java , Python , SQL , Spring Core , Spring MVC , Json , JQuery , Hibernate , Maven , Spring Boot , Spring Security , Flask, C++ , C , REST
<b>Frontend Technologies</b>	HTML, CSS, JavaScript , Bootstrap, NodeJS, AngularJS, Angular , TypeScript , ReactJS , Angular, React , Redux
<b>Cloud Services</b>	Azure Cloud Services, Amazon Web Services ( AWS )
<b>Database</b>	MySQL , MongoDB , SQLite3
<b>Development</b>	Continuous Integration/Continuous Deployment , Agile Methodologies , Jenkins, GitLab, Chrome Developer Tools, Jira, Confluence BitBucket, Swagger , Postman , Selenium
<b>Personal Skills</b>	Innovative Thinking, Attention to detail, Initiative-Driven, Client Engagement, Teamwork, Leadership

## Projects

<b>Touch-Less Heartbeat Detection and Cardiopulmonary Modeling</b>	
<ul style="list-style-type: none"><li>Developed software that accurately measures heart rate through image and signal processing with a webcam</li><li>Designed a cardiopulmonary modeling system that provides a graphical representation of the calculated heart rate, enabling users to monitor their heart rate easily over time</li><li>Implemented advanced technologies such as Python, OpenCV, NumPy, Pandas, Scikit-learn, Keras, Flask, resulting in the project winning the Best Project Award in college</li></ul>	
<b>Drug Supply-Chain System using Block-Chain</b>	
<ul style="list-style-type: none"><li>Modernized a swing application for a comprehensive, end-to-end track and trace system in a pharmaceutical supply chain to ensure product safety and eliminate fake products</li><li>Addressed data privacy, authenticity, and openness issues through secure product tracing, reducing the need for intermediaries and securing data provenance</li><li>Utilized Java integration with MySQL and integrated blockchain technology for secure and transparent record keeping</li></ul>	

## Certification / Achievements

Achieved overall excellence award in academics, sports and extracurricular activities	July 2014
First place in a Hackathon competition hosted by Honeywell	Sept 2018
Microsoft Certified: Azure AI-900 Fundamentals	Oct 2021
UI/UX Human-Centered Design from University of California San Diego	Dec 2021