

ADITYA SAI MULLAPUDI

+1 (603) 264-5904 | ✉ adityasai0126@gmail.com | 📄 <https://github.com/Aditya261099>
| 🌐 <https://www.linkedin.com/in/aditya-sai-m-04282625/> | 🌐 <https://aditya261099.github.io/PortfolioWebsite/>

EDUCATION

Southern New Hampshire Technology
Masters in Information Technology

Manchester, NH, USA
May 2022 - December 2023

Gandhi Institute of Technology and Management (GITAM)
Bachelors in Computer Science and Engineering

Hyderabad, India
June 2017 - June 2021

PROFESSIONAL EXPERIENCE

SyntacTech Inc.

North Andover, MA, USA

Full Stack Developer

February 2024 – Present

- Designed and developed a sophisticated dashboard that visually represented complex data sets to provide actionable insights and enhance decision-making processes using **HTML**, **CSS**, **Vue.js(v3)**.
- Architected and implemented numerous **RESTful** and **SOAP** APIs from scratch, ensuring seamless communication between the dashboard and various applications. This facilitated real-time data retrieval and integration across multiple platforms.
- Used **PostgreSQL** to design and manage databases to store and retrieve data efficiently, ensuring data integrity and security.
- Applied **SpringBoot** for developing microservices, leveraging its capabilities for rapid development, easy configuration, and embedded servers.
- Leveraged advanced **JavaScript** libraries and frameworks, including **Vue.js**, to create dynamic and interactive visualizations that presented data in an intuitive and user-friendly manner.
- Provided comprehensive documentation, training and updated **GitLab** repositories to ensure smooth handover and facilitate ease of maintenance and further development.
- Designed and implemented a real-time data pipeline using **Apache Kafka**, enhancing data ingestion and processing by 30%.
- Architected microservices using **Spring Boot** and implemented **REST APIs** for secure and scalable systems.
- Developed dynamic, data-driven dashboards with **Vue.js**, improving user satisfaction scores by 15%.
- Integrated **Redis** for caching and optimized **data access layers**, reducing database query times by 25%.
- Automated deployment workflows using **CI/CD pipelines** in **OpenShift**, cutting deployment times by 50%.

Environment: Vue.js, HTML, CSS, JavaScript, Java 8, Java 17, Spring Boot, IntelliJ IDEA, GitLab, PostMan, Windows 11, SOAP, REST, Maven, Node.js, Eclipse, VS Code, JSON, XML, Redis,

Think & Learn Pvt. Ltd.

Hyderabad, Telangana, India

Software Development Engineer

April 2020 - April 2022

- Designed and developed enterprise applications with **Spring MVC** and implemented front-end interfaces using **AngularJS** and **React.js**.
- Built **Kafka-based messaging systems** for processing asynchronous data flows across distributed services.
- Refactored legacy monolithic applications into modular microservices using **Spring Boot**, improving scalability.
- Enhanced UI with **HTML5**, **CSS3**, **JSON**, and **Bootstrap**, maintaining backward compatibility.
- Designed and implemented multi-tiered **J2EE** architecture using **Spring IOC** and **Hibernate**.
- Upgraded application to **Java JDK 17**, focusing on service layer improvements.
- Implemented **Spring MVC** architecture and **Dependency Injection**, utilizing **Hibernate** for **ORM**.
- Recommended lean UI design using **HTML5**, **Bootstrap**, and **REST API** architecture.
- Utilized **JMS** for efficient message handling and **JBoss6.x** for application deployment.
- Built and managed responsive web templates and components using **Adobe Experience Manager (AEM)**, ensuring consistent branding and user experience across digital platforms.
- Customized **AEM** components using **HTL (Sightly)**, **JavaScript**, and **Sling Models**, allowing dynamic rendering of content-rich pages.

- Enhanced system performance by 25% through database optimization and query tuning in **Oracle**.
- Developed **RESTful APIs** and integrated third-party services to extend application functionality.
- Active team member building a lean, responsive UI layer with Semantic **HTML** and **REST API** architecture.
- Ensured cross-browser compatibility and conducted testing on various browsers, including Safari.

Environment: My SQL, CSS, AJAX, HTML, XHTML, DHTML, Java Script, JSON, JSP, Apache Tomcat, Web Logic, JDBC, XML, JNDI, Web Services, Eclipse, Restful, AEM, JUNIT, PL/SQL, Oracle.

Phoenix Global

Web Application Developer

Hyderabad, Telangana, India

March 2019 - April 2020

- Worked with System Analyst and the project team to understand the requirements.
- Converted the Photoshop mockups into hand-written **HTML** and **CSS** pages.
- Developed web pages applying best standards.
- Designed dynamic and multi-browser compatible pages using **HTML**, **DHTML**, **CSS** and **JavaScript**.
- Responsible for design and development of the Customer Relations Module
- Developed **GUI** using JavaScript, HTML, CSS, and JavaScript in ongoing projects.
- Responsible for migrating from old look of the application to Web components and widgets using AJAX, JavaScript.
- Utilized **JMS API** for effective message creation, sending, receiving, and reading.
- Developed **Web API** with **Node.js** hosted on multiple load-balanced instances.
- Designed user screens and validations using **HTML5**, **jQuery**, and **JSF**.
- Refactored monolithic applications to modular microservices using **Spring Boot**.
- Implemented **MEAN** stack architecture with **Angular JS**, **Express**, **Node.js**, and **MongoDB**.
- Implemented search functionality for internal applications using Angular JS and Node.js.
- Employed Spring Dependency Injection properties for loose coupling.
- Involved with Product Managers and Software Engineers to provide guidelines on solid **UI design**.
- Developed Spring Configuration for dependency injection by using **Spring IOC**, **Spring Controllers**.

Environment: My SQL, CSS, AJAX, HTML, XHTML, DHTML, Java Script, JSON, JSP, Apache Tomcat, XML Parsers (DOM and SAX), JAXP, JAXB, Maven, Log4j, Junit, Power Mockito, Java Beans, JNDI, Multithreading, SQL, PL/SQL, Oracle, Tomcat, JBoss, Sybase, Web Logic, JDBC, XML, JNDI, Web Services, Eclipse, Restful, JUNIT, PL/SQL, Oracle.

TECHNICAL SKILLS

Programming Languages:	Java 8+, Python, C++, JavaScript, TypeScript
Frontend Technologies:	React.js, Vue.js, Angular, HTML5, CSS3 (Bootstrap, Tailwind), JavaScript (ES6+), AJAX
Backend Technologies:	Spring Boot, Spring MVC, RESTful APIs, Hibernate (JPA)
Databases:	PostgreSQL, MySQL, MS SQL Server, Redis
Cloud & DevOps:	AWS (EC2, S3, Lambda), Docker, Azure, Kubernetes
Build & Deployment:	Maven, Jenkins, CI/CD Pipelines
Platforms:	Windows 11/10, UNIX, LINUX (ubuntu), MacOS
IDE & Editors:	IntelliJ IDEA, PyCharm's, Atom, Sublime, VC Code, Eclipse
Internet Technologies:	HTML5, DHTML, CSS (Bootstrap), Java Script, AJAX, XML, DTD/XSD, XSTL, DOM/SAX, JAXP, JAXB, JSON, JQUERY3. X.
Testing & Tools:	JIRA, Jenkins, Junit, Selenium, Postman, Log4j
Web/Application Servers:	Web Sphere8.x, Tomcat7.x, Web Logic9.x and JBOSS.
Version Control:	GIT, GitHub, GitLab.

PROJECTS

Detection of ARP Poisoning and Promiscuous mode

- Designed a GUI using tkinter
- Researched and established multiple cybersecurity tools to learn about networking and security.

- Integrated the scripts written for detection of ARP Poisoning and Promiscuous mode.

Deep Learning Based – Masked Face Detection System

- An application that detects whether if a person wearing face mask or not using real time web cam.
- Used TensorFlow for building and training the neural network models.
- Implemented Computer Vision Library, OpenCV for Image Processing, Feature Extraction and Object Detection.
- Acquired access to large dataset with masked and non-masked faces for training and validation.
- Utilized a pre-trained Convolutional Neural Network (CNN) model.

Inventory Management System

- Built Inventory Management System with Java, React and connected it to PostgreSQL that always keeps track of the inventory hence ensure zero stockouts.
- Responsive User Interface (UI): Efficient item classification, inventory update in real-time using web application.
- Implemented PostgreSQL as a backend to store data and manage inventory records in a reliable, scalable and durable manner.