ADITYA SAI MULLAPUDI

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EDUCATION

Southern New Hampshire Technology — **Manchester, NH, USA**
Masters in Information Technology — May 2022 - December 2024

Gandhi Institute of Technology and Management (GITAM) — **Hyderabad, India**
Bachelors in Computer Science and Engineering — 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 **REST**ful 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.

Think & Learn Pvt. Ltd. — **Hyderabad, Telangana, India**
Jr. Software 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 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, JUNIT, PL/SQL, Oracle.

Phoenix Global **Hyderabad, Telangana, India**
Trainee Engineer Intern April 2020 - May 2020

- Researched and tested cybersecurity tools including **Metasploit**, **Nmap**, **Wireshark**, and **Ettercap** to enhance knowledge in offensive security techniques and strategies.
- Utilized **Kali Linux**, **Parrot OS** throughout internship to conduct **penetration testing exercises**, resulting in a deeper understanding of **ethical hacking methodologies** and practices.
- Developed two **Python scripts** during internship focused on detecting systems in promiscuous mode and identifying ARP poisoning attacks: integrated scripts into a user-friendly GUI using **Tkinter** for easy access and utilization.

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.