**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 DeveloperFebruary 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 DeveloperApril 2020 - October 2021

* 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.
* Guided the team in 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 InternApril 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

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| **Java & J2EE Technologies:** | Java1.8, JSP, Servlets, JDBC, JSTL, Custom tags, EJB, JavaBeans, JNDI, RMI, EJB Session Beans, Entity Beans, JMS. |
| **Frameworks:** | Struts1.x/2.x, Angular js, Angular js2.0, Node js, react js, Vue.js, JSF2.x, Hibernate (JPA, XML), spring (CORE, BOOT, SECURITY, AOP). |
| **IDE & Editors:** | Eclipse, RAD and Net Beans, Notepad++, Visual Studio, Edit Plus, Sublime Text, IntelliJ IDEA. |
| **Web Services:** | SOAP, REST, WSDL, UDDI, JAX­RS, JAX­WS. |
| **Design Methodologies:** | J2EE Design Patterns (MVC, MVP, MVVM, Singleton). |
| **Open Source:** | JUNIT, log4j, GIT, CVS, and SVN. |
| **Platforms:** | Windows 11/10, UNIX, LINUX (ubuntu), MacOS |
| **Databases:** | MS SQL Server, MYSQL-SQL&PL/SQL, No SQL, PostgreSQL |
| **Cloud Technologies:** | AWS (Amazon Web Services), Microsoft Azure. |
| **Internet Technologies:** | HTML5, DHTML, CSS (Bootstrap), Java Script, AJAX, XML, DTD/XSD, XSTL, DOM/SAX, JAXP, JAXB, JSON, JQUERY3. x. |
| **Scripting Languages:** | Maven, Ant, Java Script, and UNIX. |
| **Tools:** | JIRA, Jenkins, Junit, Selenium. |
| **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.