JAYA CHADHA

(+1) 425 459 0242
jchadha1@asu.edu

1221 E Apache Blvd, Tempe, AZ 85281

https://jchadha1.github.io/jaya_chadha/
https://linkedin.com/in/jayachadha/
https://github.com/jchadha1/

SUMMARY

Motivated computer science graduate with 3 years of industry experience in application development as a full-stack software engineer. Highly skilled in programming for software development projects, especially REST based web applications

EDUCATION

Master of Science, Information Technology | Arizona State University **|** Tempe, Arizona, US | **GPA: 4.0/4.0**   **Dec'2022**
Bachelor of Technology, Computer Science | NIET **|** Greater Noida, India **| GPA: 3.7/4.0**   **June'2017**

SKILLS

Programming: Java | C++ | Python | C | Shell Scripting | HTML5 **|** CSS | Typescript | JavaScript
Database Servers / Operating Systems: MySQL **|** DB2 | PostgreSQL | Apache | Tomcat | Windows **|** Linux (Ubuntu/Centos 7)
Methodologies: Waterfall | Agile | Scrum | JIRA Sprints | Kanban
Unit Test Framework: Google Test (GTests) **|** PyTest (Python Tests)
Tools and Environments: Visual Studio | AWS | NodeJS | Spyder | JWT | Flask | Docker | Kubernetes | Tableau | Eclipse | Jupyter Notebook | Confluence | Bitbucket **|** DLT logger **|** Git | Pandas | NumPy | JIRA | SharePoint

PROFESSIONAL EXPERIENCE

Software Engineer, Think & Learn Pvt Ltd | Bangalore, India   **June'17 – Dec'20**

- Contributed to **full-stack development** of E-Learning **web-based platform** service using **JavaScript**, **Java**, and **PostgreSQL** that eventually boosted **CRM** skills to **over 60%** and **revenue** increase **by 30%**
- Implemented functionalities related to educational content on the website using **REST APIs** in **Java** application framework
- Deployed the application on **Docker** using docker compose file (**yml**) and hosted the containers on **AWS** cloud.
- Developed POC for **AI chatbot** to respond the user's queries on the website using **TensorFlow**, **Deep Learning** and **Python3**
- Created **data models** in **chatbot application** to understand the context of responses using **behavioral patterns** and the datasets
- Implemented **Unit Testing Framework** in **Python** using **PyTest** and generated the **code coverage** report for the entire project

Software Engineer Intern, Xavient | Noida, India   **June'16 – July'16**

- Contributed to the designing and development of **Test Management tool** for tracking the bugs in an application which **increased** the application's **performance** by **40%** and **reduced** the application's **failures** by **65%**
- Collaborated in development team for **Test Management tool** in **Agile** environment and used **Atlassian** Tools (**JIRA** for task tracking, **Confluence** for document storage, **Bitbucket** for Git based code repositories & **Jenkins** for building CI/CD pipelines)

Project Engineer Intern, Sopra Steria | Noida, India   **June'15 – July'15**

- Built the **database schemas** for the application that can track the daily attendance of employees in the company using **MySQL**
- Automated the report generation of the application's output using **MS Excel**, **Cron job** and **PM2**

ACADEMIC PROJECTS

US Super Store Dashboard   Python, YELP and Tableau   **Aug'21 – Dec'21**

- Extracted data from **YELP** dataset and performed the **data cleaning** based on several factors including orders, sales and profit gained
- Created a dashboard having data visualizations related to **market analysis** of products and recommendations for **revenue increase**

Covid'19 Vaccine Management Service   JavaScript, Node.js, JSON and Excel   **Jan'21 – May'21**

- Implemented **Vaccine Management service** using **JavaScript** to prioritize the vaccine distribution based on age, health ailments, etc.
- Improved the process for booking the vaccination slots by sending email notifications to the user using **nodemailer** module in **Node.js**

Tail Federation Service   Python, FLASK, REST APIs and JavaScript   **Jan'21 – May'21**

- Built an **e-commerce web application** for the pets of registered users using **Python Flask, REST APIs and JavaScript**
- Implemented the **tracking system** for the pets using mock simulated events in **Python** helping the users to track their pets in real-time

COURSEWORK

Middleware Programming | Cloud Architecture | Computer Security | Data Structures and Algorithms **|** Database Management Systems | Data Visualization **|** Object-Oriented programming **|** Analysis of Big Data **|** Compiler Design **|** Operating Systems | Information Management System | Design and Analysis of Algorithms | Theory of Computation | Discrete Mathematics