SAI SRIVATSA PANTANGI

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Education

Arizona State University	**Aug 2022 - May 2024**
Master of Computer Science, CGPA - 4/4	*Tempe, Arizona, USA*
B V Raju Institute of Technology	**Aug 2016 - May 2020**
Bachelor of Technology in Computer Science and Engineering, CGPA - 8.93/10	*Medak, Telangana, India*

Coursework

Data Structures and Algorithms, Cloud Computing, Intro to Artificial Intelligence(AI), Blockchain Applications, Data Processing at Scale, Data Mining, Semantic Web Mining, Statistical Machine Learning, Data Visualisation, Compiler Design.

Technical Skills

Languages: Java, Python, JavaScript, C, HTML, CSS, SQL, NoSQL.

Database Technologies: Postgres, MongoDB, MySQL, Oracle, Redis.

Developer Tools and Libraries:Git, Selenium, Linux, Flask, Tkinter, Jenkins, Eclipse, Visual Studio Code, IntelliJ IDEA, Android Studio, jQuery, Jest, Apache Airflow, Matplotlib, GraphQL, Scikit, Keras, Tesseract, OpenCV, Tensorflow, Hibernate.

Frameworks and Technologies: Spring (Spring Boot, Spring MVC, Spring Security, JPA), Gradle, Maven, React, Django, NLTK, Express.js, NodeJS Responsive Web Design, RESTful APIs, Object-Oriented Programming, Design Patterns, Distributed Systems, Data Structures & Algorithms, Docker, Containerisation, Test Driven Development, JIRA, Github.

Cloud and DevOps: AWS, Google Cloud (GCP), Microsoft Azure, Kubernetes, Continuous Integration/Continuous Deployment.

Experience

EPICS @ASU   **June 2024 - Present**
Fullstack Developer   *Remote, United States*
- Designed and developed scalable web applications for Your House Fitness, using React, Node.js, Express, and PostgreSQL.
- Implementing RESTful APIs to support front-end functionality and enhance user experience while collaborating with UI/UX designers to create responsive and intuitive web pages.
- Integrated Google SSO and calendar API. Dockerized, deployed and managed applications on AWS, utilizing EC2, S3, and Lambda.

Tata Consultancy Services   **July 2020 − August 2022**
Contract Developer at Apple   *Hyderabad, Telangana, India*
- Developed robust backend applications using Spring Boot in an Agile Development Environment. Designed multiple microservices to process large datasets from Excel files, consisting large scale datasets, and efficiently storing them in MongoDB.
- Utilized MongoDB for sub-millisecond response times in data storage and retrieval, significantly enhancing application performance and reducing latency by 15%. Established communication protocols between microservices to facilitate seamless data flow.
- Spearheaded the optimization of WebMethods Integration Server flow services deployment across diverse environments, deftly leveraging Java and WebMethods Deployer. Utilised GIT for version control and CI/CD pipelines increasing efficiency by 35%.
- Collaborated cross-functionally to develop scalable solutions for critical business processes, integrating CrushFTP, Kafka, SAP adapter, and the EDI module to enable data exchange and enhance system interoperability optimizing the system by 20%.
- Resolved critical system bottlenecks by identifying flows generating excessive Splunk logs and flooding Kafka messages ensuring smoother operations and preventing a potential 20% performance degradation. Employed optimization techniques ensuring smoother operation and averting potential performance degradation.
- Built integrations to receive EDI 850 data from external partners, transform it into SAP IDOC format, and process it to SAP using SAP RFC Adapter Services, improving data interoperability and operational efficiency.
- Led the creation of over 250 Selenium Test Automation cases for the Polaris web page, using Java, Cucumber, and Selenium.
- Achieved a notable 50% increase in testing efficiency through the implementation of comprehensive test cases.

ADP India Ltd.   **Jun 2019 - Aug 2019**
Full Stack Developer Intern   *Hyderabad, Telangana, India*
- Designed a frontend monitoring tool using HTML, CSS, JavaScript, and Plotly, integrated with Single Sign-On (SSO) to access real-time network data by 2,000 users and Senior Management resulting in more informed decision-making.
- Crafted various front-end tools utilizing JavaScript and Plot.ly to visualize and interpret essential network data.
- Leveraged Python and Flask-based monitoring portal with MySQL integration, enhancing network performance.

Projects

Survey on Web Data Scrapers | *Python, Beautiful Soup and Scrapy, Statistical Analysis Tools*   **Fall 2023, ASU**
- Deployed a comprehensive web data scraping project utilizing BeautifulSoup and Scrapy to extract over 100,000 records from diverse sources, resulting in a 39% data accuracy improvement. Designed robust data models to optimize storage and retrieval.
- Programmed and implemented robust web scraping scripts and automation strategies to streamline the extraction process, achieving a 38% reduction in scraping time, leading to substantial time savings and increased productivity.

Digit Classification Android Application | *Java, Android Studio, Python, Flask, Keras*   **Fall 2022, ASU**
- Created a mobile application for digit classification through three phases, including building a web server and Android application, implementing CNNs, and exploring edge-based mobile computing.
- Utilized a AWS cloud-based deployment for a specialized neural network trained on the MNIST dataset.
- Created a REST API to access the model and perform digit classification.