Hephzibah Saidu

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EDUCATION

Northeastern University Boston, MA
Master of Science in Computer Science; GPA: 3.80 *Jan. 2022 – Apr. 2024*

Chaitanya Bharathi Institute of Technology Hyderabad, India
Bachelor of Engineering in Computer Science; GPA: 3.4 *Aug. 2016 – Sept. 2020*

EXPERIENCE

Nokia Sunnyvale, CA
Software Engineer Intern *Jan 2023 - Sept 2023*
- **Infrastructure**: Worked with the Infrastructure team to develop a proprietary Python framework making CI/CD jobs seamlessly run on multiple platforms using the same libraries. SR-OS, SR-Linux OS
- **FrontEnd**: Developed PHP script to dynamically filter logs on a local env of router, time -25 percent.
- **Deployment**: Deployed protocols like QOS, StaticRoutes, SegmentRouting, MPLS, OSPF, BGP using docker
- **Testing**: Enabled and tested multiple protocols with supportive logging

Khoury College of Computer Sciences Boston, MA
Teaching Assistant *Sept 2022 - Dec 2022*
- **Course Management**: Conducted classroom discussions for strength 300 on Registers, Assembly, and C++

Oracle Hyderabad, India
Software Engineer(OCI) - II *Oct 2020 - Dec 2021*
- **Data Transfer**: Engineered interactive Java application in Oracle JET, optimizing CPQ pricing process by implementing DBMS queries to transfer dynamic data to static storage.
- **Database**: Analyzed and created SQL queries and Java algorithms to optimize 0.5 percent computation speed for daily synchronization of data between cloud and shared data stores, improving system visibility by 10 percent.
- **Workflows**: Leveraged Spring Boot framework to develop automated system monitoring and fault detection, resulting in enhanced efficiency by 30 percent.
- **Deployments**: Validated 50+ scripts on Oracle CPQ platform with BML, issues causing daily roadblocks providing corrections using Spring Boot, Docker, Kubernetes leading to 90 percent successful deployment rate.
- **Platform Optimization**: Optimized existing application architecture, computing time by +45 percent.

G.E. Appliances Hyderabad, India
Software Developer Intern *Jan 2020 and June 2020*
- **Workflows**: Solely administered, devised, Tested, and automated application on Oracle agile platform
- **Cost Cutting**: Increased reliability by 30 percent and latency by -50 percent making 1B dollars profit.
- **Data Warehouse**: Initiated mass load of 50 TB data to the cloud for a computational time of -5 percent.

PROJECTS

- **Sentiment Analysis: Python, NLP, Flask. Django, GIT**: ML vs DL Models attained 97 percent accuracy
- **Fake Product Visualization: Python, Flask, ML, Open CV**: Authenticity of product 97.34 percent accuracy
- **Last Mile Delivery: Google OR tools, Java, React, Firebase, Flask, Android Studio**: Web and Android applications to find optimized paths
- **Distributed Centralized Chat Bot: Java, DBMS, Distributed Systems, JSP**: Centralized star network themed chat bot
- **Candy Crush Game: C, Graphics Tool Kit**: Imitated Candy Crush game

PROGRAMMING SKILLS

- **Languages:** Java,Python,C,C++,JS,SQL,PHP,HTML,CSS,BML,UML, TypeScript.
  Tools: Kubernetes,Docker,Maven,Git,Jira,Jenkins,OracleAgilePLM,OJET,Postman,AndroidStudio,Tomcat
  Frameworks: Spring Boot, Apache Kafka, Django,RESTful Web Services, React JS, JQuery.
  Databases:AWS,Oracle,Firebase,MySQL,MongoDB

ACHIEVEMENTS

- **Paper:**Question Duplication **Hackathon :** Winner SIH **Award :** Best Digital Technology Intern GEA