

Hephzibah Saidu

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SUMMARY

CS Graduate with proficiency in OOP, Data Structures, Algorithms, Machine Learning, Artificial Intelligence, Operating Systems. Experience in working with technologies like Java, Python, JavaScript, JIRA, Postman, Agile PLM, SQL, PHP, HTML, CSS, React

EDUCATION

Northeastern University, Khoury College of Computer Sciences| MS Computer Science |Boston, M A| **Dec 2023(3.8/4.0)**
Relevant Courses: Programming Design Paradigms, Scalable Distributed Systems, Algorithms, Natural Language Processing, Mobile Application Development, Computer Systems (TA).

Chaitanya Bharathi Institute of Technology| BE, Computer Science |India **Sept 2020 (3.65/4.0)**
Relevant Courses: Object Oriented Programming, Python, Database Systems, Computer Architecture, Data Structures and Algorithms, Software Engineering, Distributed Systems, Data Science, Operating Systems, Machine Learning, Artificial Intelligence, Compilers.

TECHNICAL SKILLS

Languages: Java, Python, C, C++, JavaScript, SQL, PHP, HTML, CSS, BML, Swift, UML.

Tools: Kubernetes, Docker, Maven, Git, Jira, Jenkins, Oracle Agile PLM, Oracle JET, Postman.

Frameworks: Spring Boot, Spring, Apache Kafka, Django, Flask, RESTful Web Services, Keras, PyTorch, React JS, JQuery.
Embedding Systems.

Clouds and Databases: AWS, Oracle, MySQL, MongoDB, Firebase, Linux.

PROFESSIONAL EXPERIENCE

Nokia | Sunnyvale, California | Software Engineer Coop | **Python** **Jan2023 - Sept2023**

- Built extensive proprietary **Python framework** to support innovation of new product lines, resulting in 3x reduction of development cycles.
- Created **Logging UI** using **PHP** to dynamically log for parallel processing.

Khoury College, Northeastern University |**Graduate Teaching Assistant**| **C++**, **Embedding systems** **Sept2022 - Dec2023**

- Teaching Assistant and grader for **Computer Systems** course for a class of over 100 students.
- Delivered lectures on **Registers** and **Assembly** using **C programming**, helping students to improve their understanding of the concepts and offering constructive feedback to them.

Oracle | Hyderabad, India | Application Engineer | **JAVA**, **Spring Boot**, **React** **Sept 2020 - Dec 2021**

- Engineered interactive **Java application** in Oracle JET, optimizing CPQ pricing process by implementing **DBMS** queries to transfer dynamic data to static storage.
- Developed & automated **real-time interface layer** with the help of multiple core components, increasing team capacity by 20%.
- Analyzed & created **SQL** queries and Java **algorithms** to optimize 0.5% computation speed for daily synchronization of data between cloud & shared data stores, improving system visibility by 10%.
- Optimized existing **application architecture** for new specifications, cutting improvement time by 45%.
- Leveraged Spring Boot framework to develop **automated** system monitoring & **fault detection**, resulting in enhanced **efficiency** by 30%.
- Validated **50+** scripts on Oracle CPQ platform with BML to determine 4 primary issues causing daily roadblocks, then executed corrections using **SpringBoot**, **Docker** and **Kubernetes**, resulting in a **90%** successful deployment rate.

GE Appliances | Hyderabad, India | Full Stack Software Engineer Intern |**Java**, **Oracle Agile** **Jan2020 - June2020**

- Administered, devised, Tested and drafted an automated application on **Oracle agile** platform to test **toxicity** of various items
- Strengthened overall application architecture, increasing **reliability** by **30%** and decreasing latency by 50%, contributing to **\$1B profit** when success rate was 0.1%.
- Initiated and accomplished **mass load of 50 TB** data into cloud eliminating leverage of a redundant platform contributing to reduction in computational time by 5% and eliminating third party payment for data storage.

Applet Constructions | Hyderabad, India | Full Stack Developer | **Htмл**, **CSS**, **Boot Strap**, **Java Script**. **Oct 2019 - Nov 2019**

- Delivered, Managed, and hosted a **full stack static website** representing firm operating bootstrap, html, CSS, JavaScript and hosted in amazon web services prominently focused on user Interface.

PROJECTS

Sentiment Analysis of Hotel Reviews | **Python**, **NLP** **Nov2022 - Dec2022**

- Compared and Contrasted **Machine Learning and Deep Learning Models** which classify the tweets based on word embeddings, TF-IDF and many other features by incorporating NLP techniques.
- LSTM** based algorithm depicted an **accuracy** of around **97%**.

FAKE PRODUCT DETECTION |**Python**, **Flask**, **Machine Learning**, **Open CV** **Jun 2020 - Aug 2020**

- Designed and developed a **dynamic web application** allowing to verify if product is original or fake considering all 3, 4, 6, 8 dimensions of product based on category analyzing using **image and pattern recognition** with an **accuracy** up to **97.34%**.

DISTRIBUTED CENTRALIZED CHAT BOT| **Java**, **DBMS**, **Distributed Systems** **Jan2020 - June2020**

- Implemented a centralized chat bot using **star network**, where users can login and create chat rooms and can share the centralized data. **DBMS** queries to maintain server client data transparency across the network using sessions.

LAST MILE DELIVERY | **Java**, **React**, **Firebase**, **AngularJS**, **Flask**, **Android Studio** **Mar2019 - Apr2019**

- Created a **web-application** to enable effective collaboration between drivers and warehouse management in effective tracking using **DBMS** queries and optimized route by 95% calculation examining **distance**, **time of delivery**, **traffic**, **weight**.
- Implemented an **android application** to enable Consumers and product interaction to provide access to keep a track on progress of delivery.

Candy Crush Game | **C**, **Graphics Tool Kit** **Sept2018 - Oct2018**

- Capitalized on **C programming language** to construct a complex algorithm for an addictive game
- Utilized **GTK** to build a **pleasing UI** which keeps the user engaged throughout the game play.

ACHIEVEMENTS

- Published research paper, "[Question Duplication Detection](#)" on Springer's ACORS.
- Led team of six towards victory in 'Smart India Hackathon' 2019 held by Central Government of India.
- Honored with best Digital Technology Intern Award during Internship with G E Appliances