MOULIKA NAGULAVANCHA

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LinkedIn: https://www.linkedin.com/in/moulika-nagulavancha | GitHub: https://github.com/moulika-nagulavancha

EDUCATION

Master of Science in Computer Science | University of Central Missouri | Lees Summit, MO | GPA: 4.00/4.00   **May 2024**
Relevant Coursework: Analysis of Algorithms, Machine Learning, Databases, Web applications development, Advanced Java Programming
Bachelor of Technology in Computer Science | Jawaharlal Nehru Technological University | Hyderabad, India | GPA: 3.75/4.00   **April 2018**
Relevant Coursework: Data Structures, Java Programming, Introduction to Algorithms, Design Patterns

SKILLS

Programming Languages: Java, JavaScript, Python, HTML5, CSS3
Frameworks: Backend Frameworks (Spring Boot, Spring REST, Spring Data JPA) and Frontend Frameworks (jQuery, Bootstrap, Angular 8)
Database/Tools: MySQL, MS SQL Server, Oracle (PL/SQL), AWS

PROFESSIONAL EXPERIENCE

Oracle | Applications Developer – **Java, Spring Boot, Oracle JavaScript Extension (OJET), Spectra**   **March 2021 – December 2022**
- As a team member of Team Central Components of **Oracle HCM Fusion** product, developed various features and enhancements in Connections, Journeys, and Oracle Digital Assistant using Java, Oracle JavaScript Extension frameworks like JET and Spectra, and Elastic Search.
- Provided Customer Support and boosted the customer base by solving issues on time.
- Developed new product features and enhancements to Employee Search Service (Connections) and Employee Personal and Professional workflows (Journeys).
- Improved the overall logging and monitoring of the Connections application service, reducing developer debugging time significantly.

Innova Solutions (Formerly ACS Solutions) | Software Engineer - **Java, Spring Boot, Angular 8**   **August 2018 – March 2021**
- As a team member of the Supply Chain and Logistics client project **Uber Freight** (formerly **Transplace**), engaged in developing the analytics dashboard using the latest technologies like Spring Boot, Spring Data JPA, Angular 8, and **Elastic Search**.
- Revamped the existing configuration applications used by operations from **Angular JS to Angular 8**.
- Standardized unit test cases for **Onboarding new customers** using **JUnit5**, improving overall test coverage by ~70%.
- Refactored most of the underlying logic for the new Customers by identifying the solutions which improved the system's performance.
- Organized training sessions for the junior developers and evaluated their performance in **Java**.
- Played an active role in **Java** training sessions and received positive feedback from the senior developers for my contribution.

PROJECTS

Hospital Management System | https://github.com/moulika-nagulavancha/hospital-management-system
- Implemented the major functionalities in the hospital like Appointment Booking, Room Availability, and Doctor Consultation in PHP, MySQL, HTML5, CSS3, jQuery, and Bootstrap.
- Orchestrated the Database design to support future improvements | https://drawsql.app/teams/team-6-8/diagrams/hospitalmanagementsystem

Bookworm | https://github.com/moulika-nagulavancha/BookWorm
- Browsing and purchasing of books have been made easy by this online bookstore web application in HTML5, CSS3, jQuery, Bootstrap, **Angular Material**, and Angular 14.
- Performed the **Data visualization** in the ADMIN portal on Sales in the past years, most popular books sold in the current year, and management of books in the store using **Canvas JS.**
- Integrated the **Stripe** payment interface for the purchase capability.

Machine Learning Projects | https://github.com/moulika-nagulavancha/Machine-Learning
- Performed research in Machine Learning Algorithms like Classification, Clustering, and Neural Networks.

Web Poker | https://github.com/moulika-nagulavancha/web-poker
- Developed a simple poker game online using HTML, CSS, JavaScript, and **jQuery animation**.

Geek Reboot's H Monitor | https://github.com/moulika-nagulavancha/GeekReboot-HMonitor
- Implemented a Surveillance system that counts the total number of people in the given image using the **YOLO** (You only look once) Deep learning algorithm.
- Integrated the **SMTP** for mail alerts, and Google Maps for Location Tracking.

ACHIEVEMENTS AND AWARDS

Certificate of Academic Excellence in Undergraduate | JNTUH-CEJ | 2018
Won third place in **Transplace Elevator Pitch Contest** in the innovation category | Uber Freight (formerly Transplace) | 2020
Trainee of the Month, and **Woman Achiever's Award** | Innova Solutions (formerly ACS Solutions) | 2020
Special Award for the **Women Hackathon** | Innova Solutions (formerly ACS Solutions) | 2019