MOUNIKA GANJIKUNTA

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Education

Master of Science, Computer Science   **Aug 2021 - May 2023**
The University of Georgia, Georgia   GPA -3.83/4.00
- **Graduate Research Assistant** – Built web applications to showcase the predictive modelling of growth/inactivation of microorganisms using **Python** and **Machine Learning** models.

Bachelor of Engineering, Electronics & Communications   **Aug 2012 – May 2016**
Sreenidhi Institute of Science and technology, India   GPA -3.4/4.00

Technical Skills

- **Programming Languages** – Java, SQL, C#, Python
- **Web technologies** – Angular , HTML5, CSS, Bootstrap, JavaScript, TypeScript, jQuery, AJAX
- **Frameworks** –ASP.NET Core, ETL, Spring Boot
- **Tools/Applications** – Swagger, Postman, Docker, AWS EC2, Azure Data Factory, Informatica, MySQL, GIT, JIRA, Confluence, TFS
- **Testing frameworks –** Selenium , UFT, Junit

Experience

Sr. Applications Developer|Public Protection Cabinet, KY   **Aug 2023 - Present**
- Transformed the manual renewal process for charitable gaming in 2 months leveraging **Angular** and **ASP.NET core**, transitioned 1000 clients to the bug free online platform (eServices) , fostering prompt filing of renewals and enhancing user satisfaction. (https://dcg.ky.gov/)
- Crafted **REST APIs** and **UI components**, employing **SSMS** for seamless data retrieval through strategically designed stored procedures and table mappings.
- Proficient in using **TFS** for version control, executing branching and merging the code and deploying the builds.
- Currently spearheading the development of a new application enabling entities to create licenses. Ensuring seamless integration with the existing renewal application while prioritizing system stability and avoiding disruptions.

Senior Software Engineer | Ivy Comptech   **Feb 2019 - Aug 2021**
- Collaborated with cross functional teams to design and implement **Rest APIs** for gaming platform leveraging **Java** and **Spring Boot** ensuring efficient communication between various components of the application.
- Implemented database connectivity with **JPA** to seamlessly interact with the backend database, ensuring efficient data management and retrieval.
- Orchestrated seamless data migration of gaming brands like Ladbrokes and Coral using **ETL** tools such as **Informatica** and streamlined data accessibility.
- Utilized **Jenkins** to automate the deployment process, improving the efficiency of application deployment and reducing manual intervention.
- Effectively employed **Git** for version control, managing a well-organized and accessible code repository for collaborative development.

Software Engineer|Infosys   **Nov 2016 - Feb 2019**
- **Received appreciation** for promptly resolving critical production defects and showcasing a commitment to maintaining the integrity and functionality of the **Java** and **Spring MVC** based application.
- Showcased knowledge in SSAS cubes and **PowerBI** reporting functionalities and contributed to providing insights into KPI trends.
- Automated the web app testing using **Selenium** and worked on creating Regression suite for testing and improved the efficiency by 30%.
- Possess comprehensive knowledge of **Agile** methodology, contributing to the streamlined development and delivery of the banking application.

Internships

Developer Intern | Bank of Montreal   **Jun 2022 – Aug 2022**

- Collaborated on implementing authentication and authorization mechanisms, such as JSON Web Tokens to secure the application using **Angular**.
- Performed client-side validations for banking web app using **HTML, CSS**, and **jQuery**.
- Created and maintained **stored procedures, triggers**, and **functions** in the database to handle complex business logic and improve data processing efficiency.

Projects

Image Classification Based Face Detection|Machine Learning

- Designed a **Siamese Neural Network** to find the similarity between images based on the similarity scores. Attained accuracy of 80% .
- Developed a full stack website using python flask server which classifies celebrity images using **SVM**, **logistic regression** and attained accuracy of 84%.

Travel Journal & Airbnb Experiences Clone|React JS
- Created an interactive web page using **React JS** to replicate the functionalities of a travel journal and Airbnb.
- Handled props, mapping components, custom components and font-awesome to make the page dynamic and responsive.

Auto Grader System|Docker | AWS EC2
- Designed and developed a cloud-based auto-grading system using flask that can handle increasing workloads for programming assignments.
- Utilized Bash scripts to compile the code and packaged as **docker** Linux containers for efficient resource utilization and deployed using **AWS Beanstalk**.

Online Bookstore Management System|DBMS | Spring Boot | React JS
- Implemented a secure login system with different user roles(admin, staff, customer) and developed **Java** classes and JDBC to connect to database and perform CRUD operations for book management.