Spandana Pasupuleti

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EDUCATION

University of North Carolina at Charlotte   **May 2023**
- Masters of Science in Information Technology, GPA: 3.9/4

SKILLS

- Programming: Java, JavaScript, Python, SQL, Data Structures(Certified by *Geeks for Geeks*)
- Databases: MySQL, MongoDB, PostgreSQL
- Web Designing: HTML5, CSS
- Cloud Technologies: AWS (S3, EC2, Dynamo DB, CLI, mirroring and RAID, SAN, NAS, HDFS, GFS, Lambda, Cloud Formation) (Certified by *AWS Academy Data Analytics*), GCP
- Software Tools: Git, Tableau(Certified by *DataCamp*), Jenkins, Visual Studio Code, PostMan, IntelliJ IDEA, Eclipse, pgAdmin4
- Frameworks and Libraries: JDBC, Node.js, ReactJS, Redux, ExpressJS, Spring MVC, Spring Boot, Spring Batch
- Operating Systems: Linux, Unix
- User Experience (UX) and Design: Figma, Lucid Chart, User-centered Design, Wireframing, Prototyping, Interaction, and Visual Design

PROFESSIONAL EXPERIENCE

Systems Engineer | Tata Consultancy Services (TCS), India
August 2019 to December 2021
- Developed Spring Batch job in Java to automate the server's cleanup of old report directories
- Developed resilient Spring Boot batch application utilizing Spring Batch framework to process and import massive data sets into MySQL database efficiently
- Utilized Git for collaborative software development, ensuring smooth code integration and version control within an Agile methodology environment
- Created Excel reports to monitor user access information by fetching data using SQL queries
- Managed databases using SQL procedures, triggers, and other optimization techniques to increase efficiency
- Maintained centralized access management application and provided Level 2 production support
- Designed web page and established connection with backend database to enable
- CRUD operations
- Leveraged Software Development Life Cycle(SDLC) methodologies within an Agile methodology environment, with solid understanding of Scrum, Kanban boards, sprints, and user stories

PROJECTS

Portfolio:
- Developed a professional-grade personal portfolio website using React.js, adhering to ES7 coding standards.
- Implemented responsive web design principles, ensuring optimal viewing experience across various screen sizes through media query-based CSS.
- Integrated Git as a robust version control tool for efficient code management and collaboration throughout the project's development lifecycle.

Web Application Development:
- Designed and developed a web application using the MVC architecture for user operations and trading items.
- Implemented CRUD operations with REST API routes, Express js, Node.js, and MongoDB for seamless user interaction and efficient data management.
- Implemented robust error handling with flash messages for informative user feedback.
- Addressed stateless HTTP through sessions and cookies to maintain user authentication and session persistence.

AI-based App Design:
- Designed and developed an AI-driven app/website focused on health, by conducting user-focused research, including focus group sessions, to gather insights and inform design decisions.
- Developed wireframes, prototypes, and conducted user study evaluations to refine the design based on user feedback and usability findings.