Neha Reddy Gaddam

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EDUCATION

Syracuse University - Syracuse, NY   August 2022 - May 2024
Master of Science, Computer Science   GPA: 3.86 / 4
Graduate Teaching Assistant   January 2023 - May 2024
<u>Relevant Courses</u> – Natural Language Processing, Artificial Intelligence, Data Science, Social Media and Data Mining, Android Programming, Data Structures and Algorithms, Computer Architecture
Osmania University - Hyderabad, India   August 2016 - May 2020
Bachelor of Science, Computer Science   GPA: 8.51/10

TECHNICAL SKILLS

Certifications: AWS Certified Cloud Practitioner (link)
Languages/Databases: C, C++, C#, Java, JavaScript, Python, SQL Server, MySQL, MongoDB, T-SQL, MS SQL, PostgreSQL
Backend: .NET, Elasticsearch, NodeJS, Apache Kafka, Django, Junit, Mockito, OOP, Microservices, HTTP, JSON, REST
Frontend: React, Vue JS, Angular, HTML5, CSS, SASS, AJAX, jQuery, PHP, SOAP, TypeScript, Bootstrap, GraphQL
CI/CD: NuGet, Docker, Kubernetes, GitHub, AWS (Lambda, EC2, S3, Aurora), GCP, Terraform, Jenkins, Azure
Other: Power BI, Linux, Unix, WPF, Postman, Jira, NoSQL

PROFESSIONAL EXPERIENCE

.NET Developer, NCR Corporation - Hyderabad, India   January 2021 - July 2022
- Involved in developing a concurrent, version control restaurant management desktop application and web API using .NET framework, C#, ASP.Net MVC, SQL Server, Linq entity framework and Visual Studio.
- Increased the application's throughput by 30% by optimizing stored procedures by utilizing joins and subqueries involving multiple tables, performed regular database upgrades.
- Gathered requirements from stakeholders and designed DevExpress UI components including grids, charts, reports, and navigation controls using data binding mechanisms of C# entity framework.
- Improved decision-making by providing customizable dashboards with key performance indicators (KPIs), resulting in a 20% increase in revenue and operational efficiency.
- Provided technical leadership and mentoring to junior developers, fostering strong communication skills and continuous learning within the agile development team.

Software Engineer, NCR Corporation - Hyderabad, India   January 2020 – December 2020
- Employed C++ and Microsoft Foundation Class Library to develop a robust restaurant point of sale application, streamlining operations and enhancing customer service.
- Implemented multiple UI screens utilizing MFC controls such as dialogs, buttons, menus, and list view, tailored to meet specific business requirements.
- Ensured seamless adaptation to updated business requirements, notably implementing features like multi-employee tip management.
- Addressed customer-end bugs, focusing on resolving issues related to configuration settings and null pointer exceptions swiftly and effectively.
- Delivered 100% of project milestones on time and within budget, fostering strong partnerships with cross functional teams and ensuring alignment with business objectives.

ACADEMIC PROJECTS

Event Nest (Web App)
- Designed a React website that allows users to list and find out events using a BERT model to classify event types based on their titles.
- Tech Stack: ReactJS, NodeJS, Flask, HTML, Tailwind CSS, JavaScript, MongoDB Cluster.

Food Donor (Android App)
- Designed an app seamlessly connecting food donors and recipients through dynamic location-based connectivity and seamless notification integration.
- Tech Stack: Kotlin, Firebase, Hilt and Dagger Dependency Injection.

Driver Drowsiness Detection (Machine Learning)
- Devised a real time system that sounds an alarm if it detects the driver to be drowsy based on eye closure and yawn rate.
- Employed OpenCV for facial detection and trained a Convolutional Neural Network (CNN) model to accurately identify instances of closed eyes and yawning in drivers, achieving an impressive accuracy rate of 98%.

Taxi data analytics (Data Analytics)
- Performed ETL on taxi trip record data by leveraging GCP VM Instance and loaded data into Google Big Query.
- Displayed dashboard on Looker Studio demonstrating key performance indicators to analyze customer behavior, peak hours, traffic route optimization.