Bobba Sai Pavan Tej

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Education

Georgia State University — Atlanta, Georgia
Master of Science, Computer Science — *Aug 2024 - Present*

VNR VJIET — Telangana, Hyderabad, India
Bachelor of Technology, Computer Science & Engineering, GPA: 3.6/4.0 — *June 2018–July 2022*

Professional Experience

Georgia State University — Aug 2024 - Present
Graduate Administrative Assistant — *Atlanta, Georgia*

- **Administrative Support:** Provided comprehensive administrative support, including scheduling, document management, and event coordination, to streamline operations and assist faculty and staff in daily tasks.

DBS Technology Services India — July 2022 – July 2024
Analyst: Application Developer — *Hyderabad, India*

- **In-App Event Tagging via AppsFlyer:** Implemented in-app event tagging using AppsFlyer to track user interface and engagement with various promotions, increasing promotion engagement tracking accuracy by 15%. Collaborated with the marketing team to ensure accurate tracking of user actions from social media platforms.
- **Promotion Redirection and Deep Linking:** Designed a redirection system for promotions, ensuring users are directed to the App and implemented deep linking to navigate users to specific screens with the app based on the promotion they interacted.
- **Enhanced AppsFlyer In-App Capabilities:** Leveraged advanced event tagging for precise app insights, amplifying analytics and empowering strategic decision-making.
- **Google Ads Integration:** Integrated Google Ads within the App, placing ads on various screens including the dashboard, payment completion pages, and manual logout pages. Worked on UI/UX aspect of ad display.
- **Memory Leaks and Warnings Fix:** Resolved all memory leaks within the app, improving app performance and reducing crash rates by 20%. Addressed all deprecated warnings from older versions of Xcode, ensuring 100% compatibility with the latest version and stabilizing the app.
- **Strings Localization:** Developed a centralized system for managing app strings, allowing the business team to make direct changes in production, which reflect immediately in the live app. This streamlined the update process and reduced time to market for language-related modifications.
- **MFE Merging:** Consolidated dependent micro-frontends (MFEs) into a single MFE, optimizing the pipeline and simplifying the development process. This improved efficiency for developers working on interdependent features.
- **Xcode Upgrade:** Upgraded and refactored the codebase to ensure compatibility with the latest version of Xcode, resolving issues with deprecated code and improving overall code quality.

Projects

Cancer Types Classification through Genome Deep Learning — Oct 2021-May 2022

- Developed a cancer detection system using Genome Deep Learning (GDL) to analyze genetic variants and attributes. Utilized deep neural network and Guided Grad-CAM Visualization to transform gene mutation data into genetic mutation map. Achieved improved classification accuracy by combining the genetic mutation map with deep neural networks.

Phishing Websites Detection using Machine Learning — Nov 2020-Apr 2021

- Developed an intelligent and scalable system for detecting phishing websites using a combination of supervised and unsupervised machine learning techniques, achieving 96.5% accuracy in proactive and real-time phishing URL detection. Created a comprehensive and diverse dataset of phishing and legitimate websites to ensure robust performance, adaptability, and resilience against evolving threats.

Skills

Programming Languages: C, C++, Java, Python, Swift, HTML, CSS and JavaScript.

Database, Cloud & Machine Learning: SQL, MySQL, and Amazon Web Services [AWS], TensorFlow.

Tools & Methodologies: Xcode, Visual Studio Code, IntelliJ, Bitbucket, SourceTree, REST APIs, Microservices, Agile (Scrum, Kanban).