Amit Samant

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PROFESSIONAL EXPERIENCE

Gen AI / Full-Stack Development Intern, *Iam-Intelligence*   05/2024 – present | Houston, United States

- Developing the MAIT app's front end using Flutter and Dart with a focus on improving user engagement and retention by 30%.
- Assisting the AI/ML team with the development of an Image Processing model using Google Cloud Vision, PyTesseract, and OpenCV to improve data extraction by 30%.
- Integrated the MAIT app with Firebase to provide authentication, and store required data and images to increase security and privacy by 50%.
- Actively working on automating data pipelines(CI/CD) to streamline the model training and deployment. This initiative is projected to reduce deployment time by 50% and increase the accuracy of the model.
- Currently engaged in the research and experimentation with generative AI, and using Alpaca to increase the efficiency of MAIT app and enhance user experience.

Software Developer, *Cognizant Technologies Solutions*   2020 – 2022

- Developed user-focused full-stack applications using React, Angular, and Java Spring Boot. The use of these helped in optimizing performance and intuitive interactions to improve user experience by 25%.
- Leveraged Docker containerization to optimize our deployment workflow, achieving a 40% acceleration and improving overall team efficiency.
- Proactively managed AWS cloud infrastructure and streamlined deployment with CI/CD pipelines, resulting in a 15% faster product launch cycle and a 20% reduction in infrastructure expenses.
- Gained valuable experience as a part of the migration team that moved a legacy system to AWS which resulted in a 50% increase in scalability and a 30% cost reduction.
- Improved software quality and user experience by optimizing the testing process using Selenium, making the test cycles 30% faster and reducing the amount of bugs by 20%.
- Dewlved into the development of API test suites using Postman and integrated them into Jenkins to improve the quality and reliability of the software.
- Utilized my expertise in performance testing to identify critical errors and resolve them to increase efficiency by 26%.

PROJECTS

AI Diary, *Skills :- Generative AI, React.js, Firebase, Mantine, Git, TypeScript, Data Analysis, Data Visualiazation* ⧉

- Designed and implemented a data pipeline using Firebase to securely handle user journal entries and mood data, ensuring their seamless integration with AI algorithms for personalized insights.
- Enhanced the application's capabilities by integrating a cutting-edge generative AI model, utilizing the Gemini API to provide users with tailored insights and recommendations based on their journal entries.
- Combined my React.js expertise with a focus on performance optimization to build a scalable front. The result? A seamless user experience and a 20% improvement in page load speed
- Prioritized user privacy and data protection by building a secure authentication and authorization system with Firebase, giving users peace of mind.
- Leveraged Git for version control and collaborative development, ensuring code maintainability and fostering a productive team environment.

ReviewFlix, *Skills:- Python, Web Scraping, MongoDb, Flask, CSS3, Next.js*

- Developed a web scraper from scratch to automate the collection of movie data from IMDb and Rotten Tomatoes, improving accuracy by 50% and freeing up 80% of the team's time previously spent on manual data entry.
- Created a movie recommendation engine that helped users discover new films they love, resulting in 35% more engagement and a 20% increase in platform sign-ups..
- Tackled data quality issues by implementing automated workflows for cleaning, validation, and analysis. This resulted in a 30% efficiency boost and a 40% drop in errors.
- Addressed potential data inconsistencies head-on by developing and executing thorough unit and integration tests, ultimately enhancing overall system quality.
- Masterfully blended Framer Motion's animation capabilities with Next.js's performance to craft visually stunning and user-friendly website.

SKILLS

Programming Languages:
Java, C, C++, Python , Flutter

Databases:
SQL, NoSQL, PostgreSQL, MongoDB, MySQL, Firebase

Frontend Development:
JavaScript, HTML5, CSS, React, Angular, Vue, Next.js, TypeScript, UI/UX design, PHP, Bootstrap, jQuery, Flask

Version Control and Cloud :
Git, Amazon Web Services (AWS) , Docker, Vercel

Backend Development:
Java SpringBoot, Node.js, Express.js, MVC architecture, REST Api, Postman, Jenkins , JSON , Linux

EDUCATION

Texas A&M University - Corpus Christi, *Masters of Science in Computer Science*   Corpus Christi, USA