Mit Patel

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EDUCATION

Georgia Institute of Technology   May 2024
Bachelor of Science in Computer Science   *Atlanta, GA*
- Related Courses: Data Structures & Algorithms, Machine Learning, Artificial Intelligence, Computer Organization & Programming, Object Oriented Programming, Systems & Network, Design & Analysis of Algorithms

SKILLS/INTERESTS

Programming Languages: Java, Python, C, Swift, HTML/CSS, JavaScript/TypeScript, SQL, C#, Kotlin
Technologies: React, Node.js, Django, AWS, Microsoft Azure, Google Firebase, Docker, Git, REST, RoomDB, Android Studio, Numpy, Jupyter Notebook, Power Automate, JavaFX

RELEVANT EXPERIENCE

The Washington Post   May 2023 – August 2023
Software Engineer Intern   *Washington, DC*
- Developed a personalized content recommendation framework in **Kotlin** for The Post's Android app, utilizing **RoomDB** for data storage, and **ViewModel** for UI updates
- Implemented a data collection module to gather user interaction metrics, including clicks and scroll percentages, from different sections of the app, enabling data-driven insights to improve user engagement and article suggestions
- Contributed to the enhancement of the "For You" feature, leveraging user reading preferences to deliver highly relevant article recommendations, resulting in a 8% increase in user satisfaction and overall app retention

Federal Reserve Bank of Atlanta   May 2022 – July 2022
Software Engineer Intern   *Atlanta, GA*
- Conducted in-depth research and authored **JavaScript** modules integrated into the Bank's history museum exhibits, resulting in a notable 5% increase in external engagements and enhancing visitor interactions
- Engineered a high-impact web application with **Django**, effectively anonymizing applicant information to optimizing the hiring process by achieving an 18% reduction in time-to-hire
- Utilized **C#** to create a dynamic web application that automates the allocation of internal technologies to employees, ensuring a seamless transition with their devices

McKenneys Inc.   January 2022 - May 2022
Software Engineer Intern   *Atlanta, GA*
- Implemented regular quality checks algorithms on FastPipe, leading to a notable 13% decrease in errors and counters, enhancing overall system performance and reliability
- Engineered a **Python**-based algorithm which assesses customer requests with higher accuracy, resulting in a 7% reduction in BlueBeam complication errors
- Collaborated with external clients to develop customized automation solutions using **UiPath**, tailoring programs to meet their specific business requirements and streamlining their workflows

PROJECTS

GaTech Stadium IoPT | *Swift, Xcode, AWS*   August 2022 - Present
- Engineered and integrated an iOS app with **Swift** to capture and monitor popular football plays by fans during live games, utilizing sensors to deliver real-time insights and enhance user engagement
- Devised and configured sensor systems and network infrastructure to collect crowd engagement data in real-time, enabling the iOS app to instantly showcase key moments
- Implemented fan games on the app using **REST API**, hosted on **AWS**, resulting in a significant 17% surge in real-time fan engagement during football games

PostExplores | *LLM, Prism API, Pegasus, React.js, TypeScript*   July 2023
- Led a team of interns to revitalize The Washington Post's KidsPost section, re-imagining it as "PostExplores," an interactive platform that included article summarizing, virtual shopping, and auto-generated quizzes
- Implemented the article summarization feature using **LLM**, **Prism API**, and **Pegasus**, enabling young readers to access concise 2-3 paragraph summaries of news articles tailored for their age group
- Developed a virtual shop using **React.js** and **TypeScript**, where kids earned gems by reading articles and utilized them to personalize their avatars with virtual items, promoting gamification of the reading experience