Parthiv Patel

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EDUCATION

Purdue University — August 2021 - December 2024
Bachelor of Engineering in Computer Engineering — *West Lafayette, IN*
- Dean's List and Honors; GPA: 3.6/4.0
- Relevant Coursework: Introductory & Advanced C Programming, Object-Oriented Java, Data Structures and Algorithms, Python for Data Science, Digital System Design, Discrete Mathematics, C++ Programming

TECHNICAL SKILLS

Languages: Linux, Java, Python, C, C++, JavaScript, HTML, CSS, MATLAB, C#, Razor, SQL
Frameworks: React, Node.js, Java Swing GUI, WebRTC, Tomcat, ASP.NET
Developer Tools: Git, VS Code, Visual Studio, PuTTY, Netbeans, Microsoft Office Suite, AWS, Azure, Jira

EXPERIENCE

Software Engineering Full-Stack Intern — May 2023 - August 2023
Lockheed Martin — *Remote*
- Developed and launched an ASP.NET-based Agile challenge web app, resulting in a 25% increase in employee engagement and driving continuous Agile skill development
- Engineered roles and teams data architecture to support over 200 users across 57 teams through MySQL scripts
- Restricted access to certain sub-pages using Ping-Federate API SSO groups and 5 different authorization filters
- Troubleshooted a web service API configuration to seamlessly retrieve data from a restructured database

Client & Technical Engineering Accelerate Program Intern — May 2023 - August 2023
IBM — *Remote*
- Innovated a chatbot for a simulated banking system on the IBM Watson Assistant platform
- Delivered an effective sales pitch to the CTO of the simulated bank, resulting in a successful acquisition of the chatbot and a 96% approval rate
- Leveraged HTML and JavaScript to design and launch a dynamic bank website, effectively integrating the chatbot

Software Engineering Intern — May 2022 - August 2022
IpserLab — *Remote*
- Constructed a professional video conferencing web application using React.js frontend and Java server backend
- Devised a solution to bypass CORS error by deploying a proxy server to communicate to the Java server
- Integrated open-source WebRTC code in order to establish up to 10 P2P connections within browser
- Managed a group of 3 interns and delegated work efficiently in order to solve over 8 coding errors

PROJECTS

CAPTCHA Breaker | *Python, OpenCV, Git* — October 2023
- Developed a computer vision CAPTCHA-solving tool leveraging Python, OpenCV, and scikit-learn
- Utilized Gaussian Naive Bayes, K-Nearest Classifier, and MLP Classifier models to effectively decrypt distorted images containing numbers, successfully bypassing CAPTCHA tests with an 80% success rate.

Quiz Management System | *Java, Java Swing GUI, Git* — April 2022 - May 2022
- Innovated a robust Quiz Management System leveraging File I/O for data persistence, Concurrency, Polymorphism in Object-Oriented Java
- Differentiated permissions between teachers and students using public and private classes for courses and quizzes
- Surveyed 20 people regarding functionality and robustness of the code generating a 4.5/5-star review

LEADERSHIP

Events Committee Chair — May 2022 - Present
Project RISHI — *West Lafayette, IN*
- Organize fundraising events aimed at raising vital funds for underprivileged rural communities in India
- Raised over $14,000 from events to support education within rural communities of India
- Coordinated dances and events with 20 other clubs to maximize impact in different communities