



PRANAV DONEPUDI

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Home: Houston, Texas (United States)

PROFESSIONAL SUMMARY

A highly skilled and motivated software engineer with over two years of experience in optimizing, developing and maintaining high-performance web applications. Proficient in designing user-centric solutions and collaborating with cross-functional teams to deliver robust software products on time and under budget. Adept in modern frontend and backend technologies, including JavaScript, React and Java, with a strong focus on scalable, efficient code and cloud-based deployment. A quick learner, capable of mentoring junior developers and implementing best practices to enhance system reliability and code quality. Currently pursuing an MS in Computer Engineering from Rice University, with a passion for innovative solutions in software development and hands-on experience with cloud-hosted applications.

WORK EXPERIENCES

Associate Software Engineer, DXC Technology

[Sept 2021 - Jul 2023]

- Optimized code segments to enhance performance and scalability, facilitating seamless migration to efficient systems.
- Developed and maintained custom WordPress sites for diverse clients, including national and international businesses, tailoring solutions to their specific needs.
- Collaborated with a cross-functional team to deliver a major client project on time and under budget, resulting in savings of over \$5,000 in project expenses.
- Applied best practices to enhance code quality, boosting system reliability and efficiency.
- Led the design and integration of new features, improving user experience and functionality of client systems.
- Conducted code reviews and mentored junior developers, promoting collaboration and knowledge sharing.

Software Developer Intern, SBS Corps (Startup)

[May 2024 - Jul 2024]

- Developed responsive frontend features, cutting screen load times by 20% and improving UI performance.
- Translated complex UI designs into efficient and maintainable code using React Native's component-based architecture, improving application usability.
- Implemented interactive features such as intuitive gestures, real-time rate updates and Chatbot integration, significantly increasing user engagement.
- Developed Instagram-inspired user stories functionalities, contributing to a more dynamic and engaging app experience.
- Worked with designers and product managers to ensure alignment of technical solutions with user needs and business goals.
- Participated in agile development processes, contributing to sprint planning, stand-ups and retrospectives to ensure timely delivery of features.

PROJECTS

Pacman Game — Spark Java

[Oct 2023 - Dec 2023]

- Engineered a dynamic, single-player Pacman game using the Spark Java framework.
- Optimized scalability to support up to 50 concurrent gameplay sessions, ensuring performance and responsiveness.
- Deployed the application on Heroku, demonstrating skills in cloud-based hosting and application deployment.

[Play the Game](#)

SKILL HIGHLIGHTS

- Languages:** C++, Python, Java, JavaScript/TypeScript, HTML5, CSS3
- Frontend Technologies:** React, Redux, Responsive Design, React Native
- Backend & Frameworks:** Flask, REST API, Spark Java
- DevOps:** Git, Docker, Jenkins, AWS
- Tools & Platforms:** Linux, Elasticsearch, Canvas, Heroku
- Collaboration:** Agile Methodologies, Code Reviews, Cross-functional Teamwork
- Project Management:** Sprint Planning, Budget Management, Mentorship
- Other Skills:** Machine Learning, Object-Oriented Programming, Cloud-based Application Deployment, UI/UX Optimization

EDUCATION

Masters of Science in Computer Engineering, Rice University,

[Aug 2023 - Dec 2024]

Relevant Coursework: Object Oriented Programming, Machine Learning, Computer Architecture

Position: Teaching Assistant - Graduate tools and intro to data science

Bachelors of Technology in Electronics and Communication, IIIT Bhubaneswar,

[Aug 2017 - Jun 2021]

Relevant Coursework: Data Structures and Algorithm, Introduction to C++, Java

CGPA: 8.35/10