

DURGA ABHIRAM GORLE

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EDUCATION

University of Florida

Masters in Computer and Information Sciences

Relevant Courses: Advanced Data Structures, Distributed operating Systems, Software Engineering

Gainesville, FL

Aug 2024 – May 2026

EXPERIENCE

College of Education, University of Florida

Nov 2024 – Present

Software Developer | ReactJS, Python, PostgreSQL, Flask, Postman, Git, Docker, AWS S3

- Developed ReactJS dashboards with dynamic data visualization (D3.js integration) that consumed Flask APIs, improving real-time decision-making efficiency by 35% through WebSocket implementation and memoized component rendering.
- Designed and optimized high-throughput Flask REST APIs handling 50k+ transactions/sec, implementing Redis caching and PostgreSQL query tuning to reduce latency by 40%.
- Architected normalized PostgreSQL databases with strategic indexing and time-series partitioning, achieving 40% faster execution of complex analytical queries.
- Built automated ETL pipelines using Python/pandas with schema validation checks, reducing manual processing time by 50% while maintaining 99.9% data integrity.

AlcoveX Product Studio

Jul 2023 – Nov 2023

Software Engineer Intern | Angular, Hasura, PostgreSQL, GraphQL, Postman, Git, Docker, AWS S3

- Designed, developed, and maintained 5+ critical modules for the "Interview Buddy" platform using Angular, increasing overall system reliability by 40%.
- Optimized application performance, reducing loading times by 55% and improving user engagement by 30%.
- Implemented code quality improvements that decreased bug reports by 35% and reduced maintenance time by 25%.
- Authored comprehensive technical documentation for 80% of the application, facilitating smoother onboarding and knowledge transfer.
- Spearheaded deployment processes for QA, Staging, and Production environments, achieving a 99.9% success rate and reducing deployment time by 60%.

AdmitMe International

Apr 2023 – Jun 2023

Software Developer Intern | ReactJS, Bootstrap, Supabase, GraphQL

- Led a team of 4 developers and successfully delivering application management software, resulting in a 30% increase in client productivity.
- Implemented agile methodologies, resulting in a 40% reduction in development cycle time and a 20% increase in on-time project delivery.
- Led the integration of automated testing, increasing code coverage from 60% to 95% and reducing post-release bugs by 70%.
- Introduced continuous integration and deployment (CI/CD) pipelines, accelerating release cycles from monthly to weekly and improving team productivity by 50%.

PROJECTS

G-Community: Networking Platform for College Entrepreneurs | ReactJS, Firebase, NodeJS, WebSocket API

- Secured **1st place** in the Web development track at **Join the Idea Sprint'23** by architecting and developing a college entrepreneur networking platform using ReactJS and NodeJS, featuring real-time messaging and collaborative tools, resulting in 5000+ active student users, 30% increase in student-led ventures.
- Engineered a robust real-time communication system using WebSocket API and Firebase, implementing advanced authentication mechanisms that enhanced platform security while supporting seamless peer-to-peer and group collaboration features for student entrepreneurs.

SAAS Automation Builder | Personal Project | NextJS, TypeScript, NeonDB, and Prisma

- Developed a comprehensive B2C SaaS platform with advanced workflow automation capabilities, enabling users to create custom integration flows across multiple productivity tools including Google Drive, Slack, Discord, and Notion.
- Achieved 95% test coverage and reduced potential bugs by implementing comprehensive unit and integration testing and deployed production-ready application on Vercel, demonstrating proficiency in full-stack development, UI/UX design, and cloud deployment strategies.

TECHNICAL SKILLS

Programming Languages & Technologies: Python, C++, Java, JavaScript, SQL, PL/SQL, HTML, CSS, NodeJS, ReactJS, Angular, NextJS, Docker, Postman, Flask, Firebase, Playwright, Pytest, AWS S3, Hasura.

Databases: MySQL, AWS, PostgreSQL

Others: Data Structures, Algorithms, Distributed Operating Systems, DBMS, SQL, Object Oriented Programming, Agile Methodology, Software Development Life Cycle.