

Rishita Gundimeda

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Work Experience

Full Stack Developer – Graduate Research Assistant Georgia State University

Atlanta, GA
Sep 2023 - May 2025

- Spearheaded the design and development of modular quiz and assignment systems using React, with reusable components, file uploads, auto-save logic, and version control, boosting submission success rates and reducing data loss by 90%.
- Led the development of instructor tools for quizzes and assignments in collaboration with academic staff, adding configurable settings and late submission tracking to improve workflow efficiency by 35%.
- Configured secure login and signup using Node.js, Express, bcrypt with 12 salt rounds, and JWT-based tokens, reducing unauthorized access by 40%. Managed session tokens via SessionStorage for seamless multi-user access.
- Optimized frontend performance using React Redux for state, Axios for API calls, and TanStack Query for caching. Reduced page load times by 25% and enhanced real-time data sync.

Full Stack Developer ARK Infotech Spectrum

Andhra Pradesh, INDIA
May 2022 - Dec 2022

- Engineered task creation, project timeline, and dashboard features for ProTrack using React.js, Flask, and FastAPI. Integrated PostgreSQL and MongoDB to manage structured and unstructured data efficiently.
- Integrated Stripe for payments, Firebase for authentication and real-time sync, and Twilio for SMS notifications. These additions boosted user engagement by 25% and enhanced remote collaboration features.
- Orchestrated unit and integration testing pipelines using PyTest for backend API validation and Cypress for frontend UI workflows, achieving 92% test coverage and reducing production bugs.

Cloud Engineering Intern AICTE

Andhra Pradesh, INDIA
Oct 2021 - Dec 2021

- Built a cloud-based learning portal using React.js for the frontend, Node.js for backend APIs, and AWS RDS for database storage, deployed on EC2 with S3 for static content and CloudWatch for 99.9% uptime monitoring across students and instructors.
- Automated infrastructure setup with CloudFormation and secured IAM access controls, reducing deployment time by 60% and improving security, consistency, and operational efficiency across deployments.

Projects

Welth – AI Finance Platform

Next.js, React, PostgreSQL, Tailwind CSS, Supabase, Prisma, Gemini AI, Inngest, ArcJet

- Developed a full-stack AI finance platform with responsive Next.js frontend and Supabase and Prisma backend for real-time authentication, role-based access, and type-safe PostgreSQL operations across web and mobile devices.
- Automated expense tracking and reporting using Gemini AI for receipt scanning and Inngest for asynchronous transaction logging, reducing manual effort by 50% while delivering personalized insights and spending recommendations via ArcJet analytics.

Hotel Booking Application

React, Express.js, MongoDB, Mongoose, Clerk, Cloudinary, Brevo

- Architected a full-stack MERN hotel booking platform with Clerk OAuth/JWT authentication, role-based dashboard access, real-time room booking, and RESTful APIs for hotel, room, and user data management.
- Integrated Cloudinary for optimized room image handling, Brevo for automated email notifications, and added location personalized search, filtering, and webhook based user data sync using Context API.

Technical Skills

Programming Languages: Python, JavaScript, TypeScript, Java, C++, Go, C#, C

Frontend Technologies: React.js, Next.js, Angular.js, HTML, CSS, TailwindCSS, Bootstrap

Backend Technologies: Node.js, Express.js, GraphQL, .NET

Databases: PostgreSQL, MongoDB, SQL Server, Firebase Realtime Database

Cloud & DevOps: AWS, GCP, Azure, Docker, Kubernetes, Terraform, Grafana

Development Tools: Git/GitHub, VS Code, Eclipse, Jupyter, Figma, JIRA

Courses: Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Software Engineering.

Education

Georgia State University, Masters in Computer Science

Aug 2023 – May 2025

PVP Siddhartha Institute of Technology, B.Tech in Computer Science

Aug 2019 – May 2023

Certifications and Publications

- **Certified:** AWS Cloud Practitioner, Microsoft Azure Developer Associate, Google Cloud Professional Cloud Architect
- **IEEE Publication:** Automated Driver Drowsiness Detection using Computer Vision and Machine Learning.