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EXPERIENCE

Reliance Jio Infocomm Limited

Software Developer

June 2022 – June 2024

Navi Mumbai, Maharashtra

- Worked as a Software Engineer in a large-scale production environment supporting **4G/5G** core systems serving **100M+** users
- Debugged and enhanced backend services on **Linux**, improving system stability and reducing production issues
- Collaborated within the **Session Management Function (SMF)** team, contributing to feature updates and defect resolution in a distributed system
- Facilitated in the maintenance and optimization of codebases directly and indirectly related to **4G/5G audio/video calls**, including high-capacity conferences
- Achieved **95%+** production **KPI** by proactively identifying root causes and improving system reliability
- Designed and built an internal **React.js** web interface to simplify configuration management for operations teams, improving usability and reducing manual effort
- Gained strong experience working with large codebases, cross-team collaboration, code reviews, and production debugging

National Remote Sensing Centre, ISRO

Software Developer Intern

July 2021 – October 2021

New Delhi, India

- Built automation scripts using **JavaScript** and **Python** to process satellite imagery via **Google Earth Engine**
- Analyzed **geospatial** datasets to classify water and non-water bodies, improving data accuracy for research use
- Worked with **geospatial** libraries such as **GeoPandas** and **Geemap** for data processing and visualization

PROJECTS

AI Image Editor ↗

- Built a full-stack **Next.js** AI Image Editor enabling real-time image upload, editing, and management with a responsive UI
- Integrated frontend components with backend services using **RESTful APIs**, leveraging **ImageKit** for image transformations and **Neon (PostgreSQL)** for persistent storage
- Implemented secure authentication using **Better Auth** and subscription billing using **Polar** for premium features

Hotel Internal Management App ↗

- Created a Hotel Management App using **React.js** with Styled Components and integrated **Supabase** for backend database functionality
- Used **React Query** for efficient data fetching and **Context API** for global state management
- Implemented scalable forms using **React Hook Form** and improved reusability via **Higher Order Components**

ShopMart ↗

- Developed a full-stack e-commerce application using **Next.js** with a mobile-first, responsive design
- Implemented Add-to-Cart and wishlist functionality and managed global state using **Redux Toolkit** for a smooth shopping experience
- Designed reusable UI components and optimized client-side state updates for performance and scalability

OPEN SOURCE CONTRIBUTIONS

- Contributed to multiple open-source products including **ToolJet**, **Twenty**, **0.email**
- Submitted reviewed and merged pull requests focused on UI consistency, styling improvements, and minor component fixes

TECHNICAL SKILLS

Languages: Python, C, C++, JavaScript, TypeScript, SQL, NoSQL, HTML, CSS

Technologies/Frameworks: React.js, Next.js, Tailwind CSS, SASS, Node.js, Express.js, MongoDB

Developer Tools: Git, GitHub, VS Code, Vite, Azure DevOps, AWS

EDUCATION

Aligarh Muslim University

Bachelor of Technology, Electronics Engineering - CPI : 8.225/10.0

2018 – 2022

Aligarh, India