MD FURQUAN ANWER

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EXPERIENCE

Reliance Jio Infocomm Limited　　　　　　　　　　　　　　　　　　　**June 2022 – June 2024**
Software Developer　　　　　　　　　　　　　　　　　　　　　　　　　*Navi Mumbai, Maharashtra*

- Ensured seamless operation of the **4G/5G codebase** by rigorously testing and debugging, maintaining optimal performance for a network of **100 million subscribers** across various 5G products
- Refined and debugged **C++ code** within **Linux**, increase in system stability and reduction in maintenance costs, contributing to overall system robustness
- Played a pivotal role within the modification team of the **SMF (Session Management Function)** node in the cutting-edge 5G architecture
- Facilitated in the maintenance and optimization of codebases directly and indirectly related to **4G/5G audio/video calls**, including high-capacity conferences
- Diagnosed and resolved critical bugs in the codebase, ensuring seamless audio and video call experiences, with a specific focus on the **JioAirFibre product**
- Achieved a **KPI** above **95%** in production by successfully identifying and fixing major bugs.

National Remote Sensing Centre, ISRO　　　　　　　　　　　　　**July 2021 – October 2021**
Software Developer Intern　　　　　　　　　　　　　　　　　　　　　　　　*New Delhi, India*

- Explored advanced remote sensing techniques and satellite imagery at **ISRO**; leveraged **Google Earth Engine** to analyze satellite images of water and non-water bodies
- Engineered an automated process to download satellite images from Google Earth Engine using **JavaScript** and **Python**; boosted data processing speed and minimized manual intervention
- Mastered geospatial data analysis by leveraging libraries such as **geopandas** and **geemap**, leading to improved image data processing for research purposes

PROJECTS

Hotel Internal Management App 🔗

- Built a Hotel Management App utilizing React.js for the frontend and Styled Components for CSS-in-JS styling and integrated **Supabase** for **backend** database functionality
- Employed **React Query** for optimized data fetching and table generation
- Managed application state using **Context API** for seamless data flow
- Streamlined user data capture by implementing **React Hook Form**
- Enhanced component functionality using **Higher Order Components (HOCs)** to promote code reuse and maintainability

YouTube Clone 🔗

- Developed a YouTube clone application using React.js for the frontend, **Redux Toolkit** for state management, and **Tailwind CSS** for efficient and responsive design
- Implemented a simulated live chat feature using dummy data to mimic real-time interactions, including simulating **API polling** for real-time updates
- Integrated **YouTube API** to fetch and display videos and comments dynamically

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

CERTIFICATIONS

- **Advanced JavaScript** - *Udemy*
- **React Marathon : 70 Hands-on React Web Development Projects**-*Udemy*

EDUCATION

Aligarh Muslim University　　　　　　　　　　　　　　　　　　　　　　　　**2018 – 2022**
Bachelor of Technology, Electronics Engineering - ***CPI : 8.225/10.0***　　　　　　*Aligarh, India*

St. Joseph's High School　　　　　　　　　　　　　　　　　　　　　　　　　　**2017**
Senior Secondary Education, CBSE - ***Percentage - 89.8-%***　　　　　　　　　*Patna, Bihar*