

P.L.G.R.C.PHANI

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Skills

Programming Languages : JavaScript, HTML, CSS, TypeScript, Java, Python
Frameworks & Libraries : Node.js, ThreeJS (Basic), React JS, ElectronJS, Tailwind CSS, NumPy, Pandas, Matplotlib
Databases : PostgreSQL, MongoDB
SDKs/APIs/Tools : AgoraWebRTC, Keycloak, CMS, Red5, Git / Github, Putty, WinSCP
Servers/Operating Systems : Nginx, CentOS, Red Hat Linux, AWS Console, Cloud Front (AWS)
Troubleshooting & Security : Proficient in web application security.
Cloud & AI Services : Azure OpenAI, Microsoft TTS Services API

Experience

Infosys

Senior System Engineer

JAN 2024 – Feb 2025

- **Talking Head**
 - * Developed an interactive chatbot with **Azure OpenAI API** and integrated **Microsoft Text-to-Speech (TTS)** for audio responses. Mapped visemes to a **Digital Human Avatar** for dynamic facial animations using **NodeJS**, **ThreeJS**, **HTML**, **CSS**, and **JavaScript**, ensuring a seamless user experience.
- **Web Metaverse**
 - * Spearheaded the development of a **web-based metaverse** application, enhancing user engagement to support 100+ concurrent users and achieving a 25% increase in daily active users.
 - * Integrated **video calls**, **audio calls**, and **chat** functionality, enabling seamless communication among users, and added **Screensharing** using Agora ScreenShare SDK.
 - * Engineered and launched a **3D card shuffle game**, significantly improving user experience and engagement.
 - * Conducted performance analysis, optimizing load times by 30% using Chrome DevTools, and leveraged **pm2 cluster mode** for performance optimization.
- **Infy Mart**
 - * Formulated **API** calls in **C#** to retrieve data from Amazon backend servers, resulting in a 40% speed enhancement in data retrieval.
- **Vulnerability Resolves**
 - * Addressed critical vulnerabilities in Production applications, ensuring system integrity and security.

Infosys

System Engineer

Mar 2022 – Jan 2024

- **Virtual Living Labs**

Contributed to an internal **R&D project**, Virtual Living Labs, enhancing collaboration and productivity within teams.
- **HSBC POC**

Developed an interactive **3D globe** in a ThreeJS application, enhancing visualization and user experience with **armcharts4**.
- **KPMG Deployment**

Successfully deployed the **Virtual Living Labs** application, ensuring smooth **integration** with external systems in the client-provided environment.
- **TGE Solariswind DB API in Node.js**

Managed the development of custom **API** calls for **data retrieval**, improving data access efficiency.

Infosys

System Engineer Trainee

Nov 2021 – Mar 2022

- ★ Received training in Java, MySQL, Advanced Java, Spring Framework.
- ★ Academic Achievement: FA1, FA2, and FA3 - **80% Score**.

Achievements

Certificate of Appreciation from Infosys | [Award link](#)

Jun 2023

- Awarded certificate of appreciation for exemplary work in handling the project.

Education

GIET College of Engineering

BTech, ECE

Jun 2018 – May 2021

7.85/10

Projects

- **my-portfolio:** Personal portfolio website with terminal-style UI | [my-portfolio](#)
- **TaskMate:** To-Do List App Storing Tasks in Local-Storage Using ReactJS | [TaskMate \(SourceCode\)](#)
- **GreenBasket:** A Grocery ordering platform with multilingual support | [GreenBasket \(SourceCode\)](#)
- **API Service:** Microservice API gateway with rate limiting and logging | [APIService \(SourceCode\)](#)
- **Connect Four Game:** Enhanced Gameplay Experience Using Java and XML

Certifications

React JS: Internshala | [link](#) | [NSDC](#)

Certified React Professional: Infosys | [link](#)

Certified FrontEnd Web Developer: Infosys | [link](#)

Certified JavaScript Developer: Infosys | [link](#)

SI Associate Certification: MongoDB | [link](#)

ElectronJS: Udemy | [link](#)

Core Java: Internshala | [link](#)

Certified Java SE8 Developer: Infosys | [link](#)

Azure Fundamentals (AZ-900): Microsoft | [link](#)

Business Communication Skills: TCS | [link](#)

Ethical Hacking: Azure Skynet Solutions | [link](#)

Certified Metaverse Practitioner: Infosys | [link](#)