

# P.L.G.R.C.PHANI

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## Skills

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**Programming Languages** : JavaScript, HTML, CSS, TypeScript, Java, Python  
**Frameworks & Libraries** : Node.js, ThreeJS (Basic), React JS, ElectronJS, Tailwind CSS  
**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

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### Infosys

#### Senior System Engineer

*JAN 2024 – Present*

- **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

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

**Jun 2023**

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

## Education

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**GIET College of Engineering**

*BTech, ECE*

**Jun 2018 – May 2021**

*7.85/10*

## Projects

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- **TaskMate:** To-Do List App Storing Tasks in Local-Storage Using ReactJS
- **WordCounter:** ReactJS Application for Counting Words and Letters in Text
- **Buglogger:** MongoDB-Synchronized Bug Tracking Desktop Application
- **Sys TOP:**User-Friendly System Information Panel Using Electron.js
- **Image Shrinker:** Efficient Image Compression Tool Developed with Electron.js
- **Card Matching Game:** Interactive Game Developed with HTML and JavaScript
- **Sample Portfolio:** Showcasing Skills with ReactJS, Vite, and ThreeJS
- **Connect Four Game:** Enhanced Gameplay Experience Using Java and XML

## Certifications

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**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](#)