

HYDERABAD

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PUSHPALATHA CHINNAKOTLA

Summary

Passionate software developer with 1.5 year of hands-on experience in designing, developing, and maintaining web and application solutions. Seeking to leverage my skills in a dynamic team to contribute to impactful projects and grow professionally.

Skills

- **Languages:** Python, JavaScript, HTML, CSS
- **Frontend:** ReactJS, Tailwind CSS, Material UI, Redux Toolkit
- **Backend:** NodeJS, ExpressJS, FastAPI
- **Databases:** MongoDB, PostgreSQL, MySQL, InfluxDB
- **DevOps & Tools& Plugins:** Docker, GitHub, Basic Linux , Telegraf
- **Monitoring:** Grafana
- **Security / Access Control:** Keycloak, RBAC

Experience

RCV INNOVATIONS PRIVATE LIMITED

Jr. Software Developer

Jun 2024

HYDERABAD

➤ **DaaS – Desktop as a Service**

A **VDI (Virtual Desktop Infrastructure)** solution is a technology that hosts desktop operating systems on a centralized server in a data center, delivering them to users as virtual machines over a network. This allows employees to access their complete desktop environment, applications, and data from various devices, such as a PC, thin client, or tablet, regardless of their physical location. Key benefits include centralized management, enhanced security through data being stored on the server instead of the endpoint, and increased flexibility for remote work.

➤ **A TUI (Text User Interface)** application is a program that runs in a **terminal/command-line** and provides an interactive interface using text, keyboard inputs, and sometimes colors and layouts.

VECTOR INDIA PVT. LTD

LAB COORDINATOR – MERN STACK

Feb 2024 - Jun 2024

HYDERABAD

- Assisting MERN stack students by resolving technical doubts related to MongoDB, Express.js, ReactJS, and Node.js.

Education

SKR AND SKR WOMEN COLLEGE, KADAPA, A.P

KADAPA, A.P

B.S.Cs(MPC), 89.5%

2021

GOVT. JR. COLLEGE FOR GIRLS, PUNGANUR, A.P

PUNGANUR,
A.P

MPC

2018

ZPGHIGH SCHOOL, PUNGANUR, A.P

PUNGANUR,
A.P

SSC, 90%

2016

Projects

DaaS (Desktop-as-a-Service) Platform – VDI Solution

Technologies: Apache Guacamole, Linux, Fast API, React, CSS, Tailwind CSS, Redux Tool kit

- Developed a VDI-based DaaS platform enabling users to access virtual desktops through a web interface using Apache Guacamole.
- Built RESTful APIs through FastAPI and integrated them with frontend components
- Managed virtual machines at the hypervisor level, including VM creation, cloning, power operations, and monitoring.
- Implemented role-based access control (RBAC) and secure authentication.
- Implemented user authentication, authorization, and data validation features with KEYCLOAK, guacamole.
- Designed database models using PostgreSQL, InfluxDB and SQL Alchemy and pydentic to manage.
- Integrated backend APIs and frontend components for seamless VM access and management.

TUI (Text-Based User Interface) Application – Rocky Linux

Technologies : Python , Linux

- Designed and developed a Text-Based User Interface (TUI) for virtual machine and system configuration on Rocky Linux.
- Integrated hostname, password, and network configuration management through Linux system commands.
- Enabled users to view, modify, and apply static and dynamic IP configurations interactively.
- Ensured secure, efficient, and reliable system configuration via a keyboard-driven terminal interface.

E-Commerce Web Application (MERN Stack)

- Designed and developed a full-stack e-commerce application using MongoDB, Express.js, React.js, and Node.js (MERN).
- Implemented user authentication, product listings, shopping cart, and order management features.
- Fetched product data dynamically using REST APIs and built a responsive, user-friendly UI.
- Used React Hooks and Context API for efficient state management and smooth component interaction.

Certifications

Mern Stack Developer – Vector India (Hyderabad)

- Successfully completed the MERN Stack Developer course from Vector India Institute, Hyderabad