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EXPERIENCE :

Fullstack Developer :
Shrika Institute of Creative Technology   September 2023 – Present

- Developed and maintained **5+ full-stack applications**, including a **Job Portal Management System**, **AI Transcription Tool**, **Food Ordering Platform**, and more using **MERN and Django Stacks** and deployed in **AWS web services**.

- Built a **Video Editor Suite** with real-time collaboration features, improving user engagement by **80%** and Implemented parallel processing to reduce video processing time by 60% and enabled self-hosting.

- Integrated **AI/ML APIs** for speech-to-text transcription in the AI Transcription App, reducing manual effort by **90%.**

- Collaborated with cross-functional teams (UI/UX, QA) to deliver scalable solutions, following **Agile methodologies**.

Fullstack Developer Intern:
Krutanic Solutions   November 2024 – January 2025

- Built 3+ Django APIs for real-world projects, reducing backend response time by **25%**.

- Collaborated with a team to develop a job portal, integrating Node.js + React with AWS deployment.

Linux Server Administrator Intern :   June 2023 – January 2024

- Administered **Linux servers**, ensuring high **performance, security, and uptime** via **process/log monitoring** (top, ps, journalctl).

- Configured & secured **SSH, FTP/SFTP** for remote access and **file transfers**, troubleshooting connectivity issues.

- Managed **networking** (IP/subnets, routing, DNS) using `traceroute, dig, netstat, ss, arp,` and `ip commands` and automated some tasks using bash scripts.

Community Educator :
Codex Arch   January 2025 – Present

- Build & grow the **Linux & open-source community** through workshops, discussions, and outreach.

- Developed a **customized OS (operating system)** to engage users and demonstrate open-source principles.

- Create **educational content** (tutorials, guides, workshops) on Linux, self-hosting, and workflow automation.

- Share expertise in **open-source tools, Linux troubleshooting, and system optimization via talks & forums.**

EDUCATION :

Ultra College of Engineering and Technology   May 2021 – May 2025
- Bachelor of Technology in **Information Technology (** CGPA : **8.09** / 10)

TVS Higher Secondary School
- SSLC (Percentage : **78.4%**)   Apr 2018 - Apr 2019
- HSC   (Percentage : **86.3%**)   Apr 2020 - Jun 2021

SKILLS :

Frontend	:	React, JavaScript, HTML/CSS, Tailwind, Bootstrap, GTK/Qt, React Native (Expo)
Backend	:	Node.js, Express, Django, REST APIs, SQL/NoSQL (MongoDB, PostgreSQL)

Devops & Cloud	:	Docker, AWS, Git, Github, Linux, Bash Scripting
Systems	:	Networks, Firebase, Redis, Appwrite, Supabase, Cloud Computing, System Design, Operating System
Languages	:	C, Python, Javascript, Java, Lua.
Soft skills	:	Communication, Collaboration, Problem solving and troubleshooting, Documentation, Team Work, Adaptability, Public Speaking, Strategic Thinking.
Problem Solving	:	Data Structures, Algorithms, Competitive Programming.

PROJECTS :

Customized Operating System - Codex Arch
- Created a **keyboard-centric, minimal OS** with Qtile, Bash, and Python; now used as primary OS by **10+ beta testers**.

- Automated system updates via **shell scripts**, reducing manual maintenance time by **40%.**

- Engineered system-wide dotfiles for Linux, scripting volume/brightness controls, Neovim IDE setup, and keyboard-centric workflows (Qtile Python Library).

- Integrated **20+ open-source tools** (e.g., Rofi, Picom) to optimize dev productivity and bulit some tools (**Music Player , Pomodoro Timer**) with **Python, GTK, QT.**

- Automated **config sync** via Git, reducing setup time from hours to **<5 minutes** for new deployments.

FFmpeg Video Converter Suite
- Built a **multi-feature video processing tool** with 8+ functions (conversion, compression, GIF creation, etc.) using **FFmpeg + Node.js**, handling 100+ concurrent operations daily.

- Optimized performance by **40%** through parallel processing and Docker containerization, reducing resource usage by 35%.

Audio Transcription application – Echo
- Integrated **AssemblyAI's speech-to-text API** achieving **95% accuracy** for multilingual transcription, processing **1TB+ audio files** via Cloudinary.

- Implemented **Django backend optimizations** reducing transcription queue times by **40%** through Redis caching and async Celery tasks.

Job Portal Management System – Career Cart

- Developed a full-stack **job portal management system** using MERN stack (MongoDB, Express, React, Node.js), enabling employers to post jobs and track 500+ applications.

- Implemented **JWT authentication** and **role-based access**, reducing unauthorized access by 90%.

- Optimized MongoDB queries and React rendering, improving load speeds by **40%**.

- Deployed on AWS EC2 with CI/CD pipelines, achieving **99.5% uptime**.

CERTIFICATIONS :

AWS Cloud Practitioner – AWS Training , **Linux Server Administration** - Cisco NDG , **Fullstack Development** – Krutanic Solutions.

*For more scan the **QR code** which is given **at the top**.*