SMRUTI PRAKASH ROUT

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PROFESSIONAL SUMMARY

- Versatile **Software and Systems Engineer** with expertise in *networking, Linux administration, full-stack web development, cross-platform application development, DevOps & Virtualization* .

- An ability to work across multiple Linux distributions with exceptional administrative skills.

TECHNICAL SKILLS

- **Languages :** *C/Cpp, Java, Python, Javascript, Typescript, Bash, Rust, Swift, Dart, Kotlin, GDScript*
- **Web Development Frameworks :** *Node.js, Express, React/Next.js , Tailwind CSS, Mongodb, Sql*
- **Frameworks & Monitoring :** *Flutter, React Native, Jetpack Compose, SwiftUI, Prometheus, Grafana*
- **Networking :** *TCP/IP, DNS, SSL/TLS, DHCP, VLANs, VPN, Load Balancing, Firewall Management*
- **DevOps Tools :** *Linux, AWS , Git, Docker, Kubernetes, Jenkins, CI/CD, Github Actions, Teraform, Ansible*
- **OS & Virtualization Tools :** *Linux (**Debian, Redhat, Arch**), Unix, Windows, VMware, VirtualBox, KVM*

WORK EXPERIENCE

Full Stack Developer Intern | Cognifyz | Remote　　　　　　*July 2024 – August 2024*

- Developed and optimized full-stack web applications improving performance by 40%. Designed secure REST APIs with authentication, authorization, and encryption protocols

  Technologies : *Html, SCSS, Javascript, Next.js, Node, Express, REST APIs, Authentication, Encryption*

Personal Projects Highlights

- **CentralBridge (System Continuity / Ecosystem) [Link]** : Developed seamless connectivity solution between Android and Linux systems with real-time data synchronization.

  Technologies : Android, Linux, Flutter, Socket, Bash, TCP, mDNS, SSL/TLS, SSH, System Administration

- **NebulaShade (Linux Customization Suite) [Link] :** Created comprehensive Linux customization application enabling one-click system personalization, dynamic color palette generation .

  Technologies: Linux, Flutter, GNOME, Shell Scripting, UI/UX Design, Python, Bash Scripting, Automation

- **Kernel_Hub (OpenSource Blog Platform) [Link] :** Built scalable blog platform for Linux and open-source content with responsive design. Implemented Markdown-based content management system .

  Technologies : Node.js, Express, Next.js, Tailwind CSS, MongoDB, Docker, Nginx, Vercel

- **Life_HrFusion (Employee Management) [Link] :** Develop a Webapp that not only fully manages your employees Personal data but also salary , income tax, Notification, events and more .

  Technologies : Node.js, Express, Next.js, Tailwind CSS, MongoDB, Docker, Nginx, Vercel

KEY ACHIEVEMENTS

- Administered **Linux systems for 4+ years**, **cutting deployment time by 90%** with **automation**.
- Implemented secure **networking solutions with SSL/TLS encryption** and **firewall management**.
- Designed **Linux ecosystem tools for developers**, enabling **faster system setup and configuration**.

EDUCATION

- **Bachelor of Technology In Computer Science Engineer (B. Tech)**　　　*Nov 2022 – May 2025*
  CGPA : *7.8* | *GITA Autonomous College, Bhubaneswar*

- **Bachelor of Science In Computer Science (B. Sc.)**　　　　　　　　*April 2019 – May 2022*
  CGPA : *8.5* | *Sabitri Devi +3 Science College, Sisua, Cuttack*