SMRUTI PRAKASH ROUT

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 @smrutiofficial | /smrutiprakashrout

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 (3+ years), Rust, Swift, Dart, Kotlin*
- **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, GitHub, Docker, Kubernetes, Jenkins, CI/CD, Teraform, Ansible*
- **OS & Virtualization Tools :** *Linux (**Debian, Redhat, Arch**), VMware, VirtualBox, KVM, Boxes*

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)** : 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) :** 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) :** 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

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*

KEY ACHIEVEMENTS

- Successfully managed **Linux systems across multiple distributions for 4+ years**
- Implemented secure **networking solutions with SSL/TLS encryption** and **firewall management**
- Reduced **system deployment time by 90% through automation tool** development

CERTIFICATIONS

- **The Complete 2024 Web Development Bootcamp** (Udemy)   *January - 2024*
- **Java from Zero to First Job, Practical Guide** (Udemy)   *August - 2022*