

PRABHAT KUMAR RAHI

hello@prbhtkumr.xyz | linkedin.com/in/prbhtkumr | github.com/prbhtkumr

EDUCATION

Vidyavardhini's College Of Engineering & Technology

Bachelor of Engineering in Computer Science and Engineering (Data Science)

Vasai, Maharashtra

Expected Jun. 2027

TECHNICAL SKILLS

Systems & Networking: Linux (Arch, Debian, Ubuntu), systemd, SSH, Networking, Firewalls, Virtualization

DevOps & Tools: Docker, Kubernetes, Nginx, Ansible, CI/CD (GitHub Actions), Git, AWS, Containerization

Programming & Scripting: Python, Powershell, Shell Scripting (Bash/ZSH), SQL (PostgreSQL)

Security: Vulnerability Assessment, Security Hardening, Container Security

EXPERIENCE

System Administrator Intern

Bigtree Entertainment (BookMyShow)

Feb. 2025 – Aug. 2025

Andheri, Maharashtra

- Contributed to the administration and support of On-Prem servers and 1000+ endpoint devices as part of a 6-member IT and Infrastructure team.
- Designed and authored a robust PowerShell provisioning framework to automate end-to-end Windows device setup (partitioning, AD joining, software installation), reducing manual effort for a batch of 10 devices from 7.5 hours to under 30 minutes, eliminating over 90% of manual work.
- Proactively collaborated with SecOps and DevOps teams on an after-hours project to design and build the core components for an automated container image scanning pipeline, delivering the solution for final testing and integration into the CI/CD process.

Software Developer Intern

Micro System Service Powertech

Oct 2023 – Jul. 2024

Vasai, Maharashtra

- Led a team of 3 in developing an IoT Monitoring Dashboard used by over 100 devices, featuring real-time graphing of device parameters, multi-customer management, and multi-device/location management capabilities.
- Engineered a full system migration from an over-provisioned AWS environment to a cost-effective VPS, slashing monthly infrastructure costs by 95%.
- Orchestrated a database migration from MongoDB to a self-hosted PostgreSQL instance, resolving critical data retention limitations and enabling long-term data analysis.
- Led development of a tailored Customer Relationship Management (CRM) to streamline customer interactions and communication.
- Key Technologies: React, Node.js, Python, Flask, Nginx, PostgreSQL, AWS, Self-Hosting

LEADERSHIP & VOLUNTEERING

Founder & President

GNU/Linux Users' Club

Jan. 2024 – Present

Vidyavardhini's College of Engineering and Technology

- Founded the university's first GNU/Linux Users' Club and grew membership from 0 to 60 within a year.
- Organized and hosted 10+ workshops on GNU/Linux fundamentals, open-source software, and shell scripting.

PROJECTS

Gaur - Arch Linux Package Manager TUI — Go, Linux

Feb. 2026 – Present

- Developed a Terminal User Interface (TUI) application in Go to streamline package management and system operations for Arch Linux.
- Implemented efficient workflows for package resolution, installation, and system updates, significantly enhancing the standard command-line experience.

Phonesploit - ADB Exploitation Tool — Python, ADB, Git

Apr. 2020 – Jun. 2020

- Re-engineered an open-source Android ADB exploitation tool from the ground up in Python 3, attracting over 800 GitHub stars.
- Demonstrated tool efficacy by identifying critical, unpatched ADB vulnerabilities across 200+ unique mobile devices.