

Pranav V Bhat

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Experience

Karplexus, SWE Intern

June 2025 – August 2025

- Engineered an **Intelligent Log Event Triage** Assistant with Python, Docker, and OpenSearch to proactively detect, classify, and suggest responses for critical events in application logs.
- Deployed a hybrid AI engine with LLMs for autonomous log classification and suggestions.
- Developed a Slack bot and FastAPI alerting system that suggests targeted triage steps for relevant SRE teams, aiming to minimize manual investigation.

GoWarm, Developer

March 2025 – May 2025

- Engineered a web scraper on AWS, implementing rotating VPNs to bypass anti-bot security measures.
- Analyzed and documented complex anti-scraping measures, testing across local and AWS cloud environments.

ACM PESUECC Chapter, Member

August 2024 - Present

- Managed open-source repositories as a Maintainer for Hacknight, leading an overnight Hacktoberfest event focused on driving student contributions.
- Conducted a [technical workshop on Git fundamentals](#), training students on core version control workflows and repository management.
- Mentored a team of students in the architecture and development of [radFS](#), providing technical guidance and code reviews.

Projects

radFS

Oct 2024

- A research project to build a memory efficient filesystem with FUSE and Go, designed with a focus on space efficiency over raw performance.
- It uses Adaptive Radix Trees (ART) as its primary storage data structure to minimize worst-case memory consumption.

Bal.rs

July 2024

- A Rust-based Layer 7 load balancer with **health checks** and **fault tolerance** to ensure system reliability.
- Utilized the **Tokio** and **Hyper** crates to achieve a 100% success rate in connections, with latencies under 200ms.

Rustbin

Nov 2024

- Built a concurrent file-sharing API in Rust with Tokio and Warp, using asynchronous multipart streaming and non-blocking file I/O.
- Implemented semaphore-based concurrency limiting, streaming data paths, and payload limits to improve resource utilization and maintain predictable behavior under load.

Education

PES University, B.Tech in Computer Science

2023 - 2027

- CGPA: 8.3/10.0 - Semester 6
- Coursework:** Microprocessors & Computer Architecture, DSA, Operating Systems, Computer Networks, Web Technologies, Big Data, Machine Learning, Database Management Systems, Cloud Computing, Object Oriented Analysis and Design

Skills

Languages: Rust, Python, C/C++, Go, Bash, JavaScript, Java, SQL

Tools and Platforms: Git Version Control, Linux/Unix systems, Vim, Docker, Kubernetes, AWS, gRPC LaTeX

General: Communication, Teaching, Management, Writing

Achievements & Certifications

- Awardee of the **CNR Rao Scholarship** for being among the top 20% of cohort for academic excellence in Semester 3.
- Completed the [Google Cybersecurity Certificate](#), acquiring foundational skills in cybersecurity, including **security attacks**, **job responsibilities** of entry-level analysts, **CISSP security domains**, frameworks, tools, and **security ethics**.