Himanshu Pandey

himanshu.dn.pandey@gmail.com

Bengaluru, Karnataka
+91 9558-158-852

Linkedin Profile
Portfolio

EDUCATION

B.Tech, Electrical Engineering
Sardar Vallabhbhai National Institute of Technology (**NIT**-Surat)   **Jul 2019 — May 2023**
CGPA: 8.49/10.00

TECHNICAL SKILLS

Programming Languages	Java, C, C++, Python, Javascript, SQL, Go
Technologies	Kafka, Redis, MongoDB, Postgres, Docker, AWS
Frameworks/Libraries	Spring boot, ReactJS, Flask, NodeJS, Playwright

EXPERIENCE

Software Developer Engineer(T)   **Jul 2023 — Present**
Piramal Finance   Bengaluru, Karnataka
- Enhanced the Jira, Jenkins and Github metrics tracking portal, leading the User Interface revamp with **React** and **Redux**.
- Developed robust RESTful APIs in **Spring Boot** with comprehensive documentation, enabling seamless integration between frontend and backend systems.
- Helped create code coverage pipeline to smoothen process for finding unit, integration and aggregate coverage for different services.
- Created end to end automation pipelines for backend and frontend using **Spring Boot**, **TestNG**, and **Playwright**, reducing time taken for regression by 50%.
- Created an AI tool which can create, execute and validate testcases which reduced time for suite creation from days to hours.

Google Summer of Code contributor   **May 2024 — Aug 2024**
eunomia-bpf   Remote
- Added feature to build static archive for the core library
- Added capability in bpftime to track code coverage automatically
- Added support for bpftime on different OS like MacOS and BSD variants

PROJECTS

Hospital Management system   **Mar. 2025 - Present**
- Django based system which provides Medicines, Labs, and Appointment related management
- Used Django-ledger to implement Purchases and Invoices for Medicine.
- Integrated ABDM APIs to make software ABHA compliant.
- **Tech Stack: Python, Django**

Superboard - Link   **Mar. 2025 - Present**
- Optimized query time and reduced CPU usage from 60% to 20%
- Fixed UI API calls and reduced load on Backend
- Integrated **pgbouncer** to be able to handle surge in users at a time
- **Tech Stack: TypeScript, PostgreSQL**

bpftime - Userspace runtime for eBPF programs - Link   **May 2024 - Aug 2024**
- Fixed broken toolchain for MacOS system
- Added headers to mock linux specific system calls
- Enhanced tool by limitting its dependence on **libbpf**
- **Tech Stack: C++, CMake**

Dylogor - a tool to dialogue with your logs - Link   **Nov 2023**
- Setup a **ElasticSearch** DB to ingest logs coming from a service
- Created APIs using **Flask** to provide functionality of search, search with filters and search with regex
- Created a CLI app using **Click** to provide frontend to increase the usability of the tool
- **Tech Stack: Flask, ElasticSearch, Click(Python CLI tools Framework)**

EXTRA-CURRICULAR/ACHIEVEMENTS

- Won **DotSlash 6.0** hosted at SVNIT
- Finalist in 5th edition of **Smart India Hackathon**, event organized by **Government of India**.
- Actively Contributing to open-source projects like **Clickhouse**, **MariaDB**, **bpftime**, **Scancode** and **bare-cli/bare.**