

ABHISHEK VERMA

1/B Sawang, B.S City, Jharkhand

📞 6203390023

✉ abhishekveman3459@gmail.com

🌐 [LinkedIn](#)

🐙 [GitHub](#)

Technical Skills

Languages: C++, Typescript, Nodejs, Postgres-SQL, GO.

Data Structures & Algorithms: 400+ Questions on [Leetcode](#) & 200+ on other platforms.

Technologies & Tools: Docker, Kubernetes, Github-Actions, AWS, EC2, EKS, Next.js, GitHub, Grafana, Loki, Prometheus, DynamoDB, Redis and Kafka.

Experience

Pegman

Nov 2023 – Present

Software Engineer Intern

Remote

- Incorporated **Distributed Chat System** by **improving socket performance with Redis** as Pub-Sub to scale the server, and **integrated with Postgres and Kafka** to organize chat messages into batches, enhancing database efficiency and resiliency.
- Integrated **E-KYC** for age restriction; added **GitHub Actions** for automated CI testing & deployment with result reports.
- **Orchestrated micro-services** as Docker images, deploying them on **Amazon Elastic Kubernetes Service (EKS)**.
- A demonstration of Distributed Chat System is accessible on my [GitHub](#) repository.

Projects

Social Media Back-end | [GitHub](#) | [Docker Hub](#)

November 2023

- * Developed a Back-end for Threads like Platform using **Node.js, Typescript and Graphql** which can be seamlessly integrated with web as well as mobile devices for a large User Base.
- * Integrated **Redis to cache the Graphql Queries** resulting in a **50% reduction** in query time
- * Implemented User **Authentication** using **Access/Refresh Token Generation** via Graphql.
- * Utilized **GitHub Actions for Automatic Scheduling of the Docker image Build Process**, triggered by changes to the main branch on GitHub.

Go Lang Projects | [GitHub](#)

January 2024

- * Implemented an **Email Verification System** in Go Lang as a **CLI application**, utilizing the built-in features of Go to verify **DMARC and SPF protocols**.
- * **HR Management System using Go and Fiber framework**. Improved system functionalities for seamless employee data management.
- * **Load balancer in Go**, Uses **Round-Robin** to Distribute Loads across different Server.

Back-end Monitoring and Log Processing | [GitHub](#)

October 2023

- * A monitoring system for back end uses **Prometheus API** for collecting metric, integrated with **Grafana Dashboard** for visualization.
- * **Loki** for collecting logs and **Elasticsearch** for searching through queries.

Krishi Sarthi App | HackForBengal-2023 | [App Link](#)

July 2023

- * Full-stack mobile app using **React Native, Nodejs, Flask** to assist farmers.
- * **PyTorch, Fast-API, Matplotlib, ResNet algorithm** for plant disease detection **tested over 87000 Image** deployed on **Google Cloud**.
- * **Block-Chain** to verify the authenticity of seeds provided by the government.
- * Selected among the top **20 participants out of 500 applicants** in Round 2 in **36 Hours Long Hackathon**

Education

Haldia Institute of Technology

Aug. 2021 – May 2025

Bachelor of Science in Computer Science

Haldia, WB

CGPA: 8.06

Leadership & Extracurricular

- Qualified as a **Open Source Contributor in GSSOC and SSOC 2023**.
- 1st out of 200 in an Inter-College Hackathon.
- 20th out of 500 in HackForBengal Hackathon 2023.
- Organising Different Hackathons as a Tech Lead of Google Developers Students Club HIT.