



EDUCATION

College/School	Degree/Class	GPA (%)	Year	Hallmarks
VIT University, Chennai Campus	B.Tech Computer Science & Engineering	8.64/10	2020	GPA of 10/10 in 8 <sup>th</sup> Semester
Summer Fields School	Class XII – CBSE	85.83 %	2016	English – 95% & Computer Science – 93%
Summer Fields School	Class X – CBSE	9/10	2014	GPA of 10 in IT

WORK EXPERIENCE

HSBC Software Development Pvt. Ltd.

Sept 2020 – Oct 2021

Software Engineer (Full-time)

- Optimized large-scale Big Data environments by managing **HDF and HDP (Hadoop) clusters**, ensuring high availability and system resilience ensuring integrity and scalability for global banking operations.
- Automated routine server tasks including **version upgrades, rollbacks, and node duplication** using **Ansible Tower**, reducing manual effort and minimizing human error.
- Designed comprehensive analytics dashboards using **Prometheus and Grafana** to synthesize multi-dimensional telemetry, enabling proactive risk mitigation and data-driven decision making.
- Streamlined **data ingestion and streaming workflows** by leveraging **Apache NiFi and Kafka**, ensuring seamless data flow across cross-functional business units.
- Developed custom **Python and Bash scripts** to automate **Linux administration tasks, log analysis, and capacity building** for expanding node clusters.
- Collaborated in an **Agile (Sprints)** environment to troubleshoot complex system bottlenecks and documented technical workflows in **Confluence** to facilitate **Knowledge Transfers (KT)** collaborating within a multi-stakeholder matrix to drive cross-functional alignment.

HCL Technologies

May–July 2019

Summer Intern (Internship)

- Operationalized **Digital Reporting Systems**: Developed end-to-end information pipelines to centralize field reporting, facilitating seamless organizational synchronization.
- Integrated a Flutter frontend with **MongoDB & SQL database**, streamlining internal operations by centralizing real-time alerts and providing organizational informations.

Toise Tech Products (OPC) Pvt. Ltd

Mar – Apr 2019

Internship

- Engineered a cross-platform **Fitness application** using Flutter, implementing modern UX/UI principles that resulted in **500+ downloads from the Playstore**.
- Developed a robust data analytics dashboard to track performance metrics for exercises and asanas improving systemic functions through iterative validations.

PROJECTS

- Open-Source contribution to **Droppy – macOS Notch Utility App**
  - o Spearheaded the product vision and roadmap for ‘**Droppy**,’ achieving a **100x increase in viral acquisition** and **scaling to 5,000+ active users** as the market-leading macOS Dynamic Island implementation.
  - o Orchestrated the end-to-end product lifecycle and GTM (Go-To-Market) strategy, translating user-centric concepts into high-retention features that earned it the **top-trending** status on **GitHub, Reddit, and Medium**.
- **Home Labbing**
  - o Architected a resilient, high-availability home data center utilizing Dockerized containers for services including Jellyfin, Immich, and Home Assistant, ensuring 99.9% uptime for private file storage.
  - o Engineered an automated “Arr” media stack and DNS-based ad-blocking (AdGuard) with self-healing scripts and spinning Netronome/Beszel/Arcane/Uptime Kuma **alert systems** to minimize manual maintenance by 80%.
  - o Implemented secure remote access using **Cloudflare Tunnels & Tailscale VPN** and network-wide privacy protocols, managing end-to-end deployment from hardware provisioning to software-level resilience and repair methods. Created **NAS-MonitorX and ServerX** open-source projects on github to automate deployment.
- **N8N Automations for Evidence Synthesis & Knowledge Management**
  - o Engineered a bespoke **intelligence pipeline** using n8n and Large Language Models (LLMs) to ingest, sanitize, and synthesize high-volume news data from multiple reputable sources, reducing manual content consumption time by 90%. It vets the information against real-time trends and shifting public perception on reddit aligning with MIS operationalization.

ACADEMIC & CO-CURRICULAR ACHIEVEMENTS

1. Secured **91 Percentile** in **XAT (Xavier Aptitude Test)** in 2025 appeared by over **140,000 students nationally**.
2. Secured **Two Gold Medals** in **Taekwondo** in Zonal and Delhi State Tournament.
3. Secured **One Gold Medal** in **Gaming E-Sports** Intra-College Event in VIT Cultural Fest.
4. Awarded **Best Speaker** in **Model United Nations (MUN)** in Summer Fields School.

OTHER DETAILS

Language Proficiency: English & Hindi

Interests & Hobbies: Following Geo-political developments and tech-product reviews; Mentoring civil-services aspirants on [YouTube](#); Enthusiast of Travel Vlogs and Stand-Up Comedy; Gaming.