

Aditya Seth

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EDUCATION

Techno Main Salt Lake

Kolkata, India

- Bachelor of Technology - Computer Science & Engineering; GPA: 9.23

July 2021 - June 2025

Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases

SKILLS SUMMARY

- Languages:** C, C++, Python, Java, Go, Rust, JavaScript/TypeScript, PHP, HTML/CSS, Kotlin, Swift, SQL, Bash/Shell
- Frameworks:** Django, FastAPI, Flask, Node.js (w/ Express), React.js, Next.js, Spring Boot, .NET, JPA, Hadoop, GraphQL
- Tools:** Docker, Kubernetes, Helm, Git, Jenkins, GitHub Actions, GitLab CI, Terraform, ArgoCD, Ansible, Kafka, RabbitMQ, ELK Stack, Prometheus, Grafana, OpenTelemetry, Sentry
- Platforms:** Linux, Windows, Web, Firebase, AWS, GCP, Azure, Oracle Cloud, Heroku, Netlify, Vercel
- Databases:** PostgreSQL, MySQL, MongoDB, Redis, DynamoDB, Cloud SQL, SQL Server, DB2, Elasticsearch
- Certifications:** Google Associate Cloud Engineer (ACE), Microsoft DP-100, Microsoft AI-900, Microsoft AZ-900, Microsoft SC-900

WORK EXPERIENCE

Techno Billion AI

Kolkata, India

- SWE Intern (Internship)

April 2024 – Present

- Built and deployed microservices on GKE to serve real-time AI APIs, achieving 99.95% uptime for 10k+ weekly users.
- Cut build/deploy times by 35% using GitHub Actions + Kubernetes rollouts; implemented IaC via Terraform.
- Reduced latency by 28% using OpenTelemetry, Prometheus, and autoscaling via HPA + GCP Load Balancer.

Oriens InfoTech Pvt. Ltd.

Remote / Kolkata, India

- SDE Intern (Internship)

January 2024 – March 2024

- Developed Spring Boot microservices and deployed to AKS via Docker + Helm; implemented GraphQL + REST APIs.
- Built CI/CD with Jenkins and GitLab CI, reducing integration issues by 40%; increased test coverage to 93%.
- Improved PostgreSQL performance by 20% via query tuning; handled async flows with Spring WebFlux.

Freelance – Fiverr, Upwork, Toptal, etc.

Remote

- Full-Stack & DevOps Engineer (Freelance)

October 2022 – September 2024

- Delivered 40+ full-stack apps (MERN, Django, NestJS); deployed multi-cloud (AWS/GCP/Azure) via Terraform.
- Built secure, scalable APIs (REST/GraphQL) with JWT, OAuth2, and Keycloak; slashed release cycles via CI/CD.
- Created event-driven pipelines (Kafka, Redis Streams, Pub/Sub) handling 200K+ events/min; cut infra cost by 60%.

PROJECTS

- AquaEcho (GitHub Link):** AquaEcho is a revolutionary iOS application designed to assist visually impaired and competitive swimmers with real-time lane guidance using haptic feedback and spatial audio cues. **Tech: Apple Swift, Next.js (Feb '25)**
- Kryptos (GitHub Link):** Developed a blockchain-based messaging platform supporting 224+ crypto wallets (Phantom, Metamask, Coinbase, etc.) for secure, decentralized communication. Integrated XMTP for efficient decentralized messaging infrastructure, ensuring encrypted, immutable conversations and multi-wallet authentication. **Tech: XMTP, TypeScript, React.js, Web3.js. (Jan '25)**
- DeVote (GitHub Link):** Built a decentralized voting platform on Ethereum blockchain with FastAPI backend. Integrated MySQL database on Microsoft Azure for real-time tracking and authentication **Tech: Solidity, Web3.js, Express.js, MySQL. (Jan '25)**
- ShieldK8s (GitHub Link):** Developed ShieldK8s, a Kubernetes-native security solution for runtime monitoring, RBAC, anomaly detection, and vulnerability scanning. Integrated Prometheus, Grafana, and ELK stack for real-time analytics. **Tech: Kubernetes, Next.js, Prometheus, Grafana, ELK Stack, Docker. (Jan '25)**
- WorkX (GitHub Link):** Launched WorkX, a job marketplace with job listings, applications, and user management. Achieved over 1,000 applications and 500+ active users within 3 months & increased user engagement by 50% and retention by 35% via advanced search and email alerts. **Tech: React, Django, PostgreSQL, JavaScript, Elasticsearch. (Aug '24)**
- Audio-SpectraCLI (PyPI Link):** Developed a Python module for real-time FFT visualization of audio spectra with Gaussian filters, customizable duration, sampling rate, and block size with a PyQt5 interface. Available on PyPI. **Tech: Python. (May '24)**
- PymPay (GitHub Link):** Created PymPay, a web application designed for banking operations such as deposits, withdrawals, transfers, and statement exports. The application includes distinct access roles for admin, client, and staff with real-time database updates and secure user management. **Tech: JavaScript, PHP. (Nov '23)**

ACHIEVEMENTS

- Letter of Recommendations from the Global Program Director of Microsoft LSA and Vice Principal, Techno Main Salt Lake College:** *LOR - Microsoft LOR - College*
- Achieved the Knight rank (Global Rank : 16,572/645,998) in LeetCode with a peak rating of 2001. Achieved the 6-Star and four 5-Star badges on HackerRank:** *LeetCode HackerRank*
- Awarded the Chancellor's Award for outstanding performance under Techno India Group as an intern.: Gold Medal**

POSITIONS OF RESPONSIBILITY

- GDG On-Campus Lead : Techno Main Salt Lake, 2024-2025.** Also, Co-Led the DevOps Team and mentored over a total of 750+ students for the Google Cloud Pathways (of Techno Main Salt Lake and St.Xaviers as well): *Records*
- Selected as a Gold Microsoft Learn Student Ambassador (MLSA) and a HackerEarth Campus Expert (HECA),** securing prestigious positions among the top 5% of applicants; enhanced mentorship over 2,800 students.: *Profile*
- Organized the inaugural Microsoft Ambassadors Aurora Kolkata 2024, marking the start of the global Aurora campaign; had 7 professional speakers and set a high benchmark for future events.: Official Website**
- Contributed to on-ground Google Developer Group events, Tensorflow UG events, CNCF events, etc. reaching more than a total of 6000+ attendees: Volunteering Records**