

Arnab Das

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EDUCATION

•Guru Nanak Institute of Technology, Kolkata

B-Tech - Information Technology

2021-present

CGPA: 8.55

•Kalyangarh Vidyamandir

west bengal board of higher secondary education, State

2020

Percentage: 79%

TECHNICAL SKILLS

- **Languages:** Java, C , C++, Python, JavaScript, Go (Beginner)
- **Platform and Tools:** Postman, Docker, Kubernetes, Argo CD, CI/CD Jenkins, IAC (Terraform), AWS, GCP
- **Frameworks:** React.js, Node.js, Express.js, MongoDB
- **Databases:** MySQL, MongoDB, Firebase,
- **Soft Skill:** Leadership, Event Management, Technical Writing (Medium), prompt engineering (gen Ai)

EXPERIENCE

•GNIT

Intern, Wordpress Developer

Aug 2023 - Present

Kolkata, West Bengal, India

- Led the **design** and **development** of **gnit.ac.in**, enhancing user **engagement** and navigation.
- Implemented **bespoke WordPress features** tailored for the college, enhancing site efficiency.
- **Collaborated** with a team of educators and students to curate and align content with the college's vision.
- Conducted **performance analyses**, A/B testing, and iterative updates for website optimization.

PROJECTS

•YT-MERN: Full-Stack YouTube | MERN STACK, Docker,GCP, GKE, Argo CD

GitHub | Architecture

- Developed a comprehensive YouTube clone using the **MERN stack** along with Tailwind CSS for frontend styling.
- **GCP** as the cloud platform, deploying containerized applications on **Google Kubernetes Engine (GKE)** for scalability and efficient resource management.
- Implemented **GitOps** principles using Argo CD to synchronize Kubernetes resources, facilitating continuous integration and continuous deployment (CI/CD) workflows.

•KubeFusion: Go & React on Kubernetes | Tech Stack: GCP, Terraform, Helm

GitHub | Architecture

- Orchestrated multifaceted **Kubernetes** deployments leveraging a **microservices architecture**, including **backend, frontend, and database** services, ensuring modular design, high-availability, and resilience.
- Deployed **containerized** applications on **GKE** using **GCR** and harnessed **Terraform IaC** for consistent, secure, and **optimized infrastructure** across environments.
- Streamlined deployments using **Helm charts with rollback capabilities** and enhanced observability via **Prometheus monitoring**.

FOODMART: Online Food Ordering | React.js, Tailwind CSS

GitHub

- Built a user-friendly platform with **React.js**, **Tailwind CSS**, and **Material UI**.
- Orchestrated **microservices** using **Docker Compose** and managed scalability with **Kubernetes**.
- Automated workflows using a **Jenkins** CI/CD pipeline.

POSITIONS OF RESPONSIBILITY

•Google Developer Student Club (GDSC), GNIT

Cloud & DevOps Lead / Google Cloud Facilitator

- Pioneered knowledge-sharing sessions on Cloud and DevOps within the GNIT student community.
- Guided over 120 students in mastering the Google Cloud Platform through workshops and hands-on labs.

•Event Head - CodeCombat, MAGISTECH 2k23 (IT Dept.Fest) Managed 100+ teams for an enhanced coding experience

ACHIEVEMENTS & CERTIFICATIONS

- Solved over 200+ questions on **LeetCode**.
- Completed **Java, DSA**, and **Google Cloud Training** courses on Coursera & **GCCP 23** from GDSC-JISU.
- Open-source contributor for **GirlScript Summer of Code**.
- Participated in renowned competitions: **KAVACH-23, SIH-23, Hack-O-Med-23** organized by government bodies of India.