Aryan Kapoor

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github.com/Keninjavelas Portfolio

Professional Summary

Computer Science student specializing in cloud computing, backend systems, and DevOps. Experienced in building highly available AWS infrastructure using Terraform, developing scalable microservices with Python and Flask, and implementing automated CI/CD pipelines. Strong foundation in distributed systems, Infrastructure as Code, and production-grade cloud architecture.

Experience

Springer Capital Aug 2025 – Nov 2025
Backend Intern Remote

- Engineered and deployed a production microservice using Python, Flask, and SQLAlchemy
- Authored system architecture documentation covering APIs, schemas, and service integrations
- Debugged circular imports, dependency conflicts, and database initialization failures
- Built Flask mock server and automated data ingestion pipeline

Skills

- **Cloud & DevOps:** AWS (EC2, S3, SQS, RDS, VPC, ALB, ASG, CloudFront, IAM), Terraform, CI/CD, GitHub Actions
- **Languages:** Python, Java, C/C++, Bash, TypeScript
- **Frameworks & Tools:** Flask, SQLAlchemy, React, Next.js, Git, Linux
- **Architecture:** Microservices, Distributed Systems, High Availability, Infrastructure as Code

Projects

Project Hydra: Self-Healing Cloud Architecture (AWS, Terraform, SQS)

- Deployed highly available AWS infrastructure using Terraform
- Implemented asynchronous messaging using Amazon SQS

AWS High-Availability Infrastructure Simulation (AWS, VPC, EC2, ALB)

- Built production-grade infrastructure using custom VPC and subnet isolation
- Configured load balancing and auto scaling across availability zones

Automated CI/CD Deployment Pipeline (AWS, GitHub Actions, CloudFront)

- Engineered automated CI/CD pipeline deploying applications to AWS S3
- Implemented CloudFront cache invalidation and secure IAM policies

Education

HKBK College of Engineering 2023 – 2027
Bachelor of Engineering, Computer Science Bangalore, India

Vibgyor High 2019 – 2021
High School Diploma Bangalore, India