

Arun Dilip Mahajan

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SKILLS

Programming: C, C++, Java, Python
DevOps: Linux, Git, GitHub, Docker, Kubernetes, Terraform, CI/CD, Jenkins, Bash, AWS, Microservices, GitHub Actions
Coursework: Software Engineering, Computer Networks, Operating Systems, DSA, OOP, DBMS
Frameworks: Spring Boot, Hibernate (JPA)
Database: MySQL, NoSQL
AI/Tools: Prompt Engineering, OpenCV

PROJECTS

EKS Microservices Deployment + GitOps

[Link]

- Deployed the **OpenTelemetry “Astronomy Shop”** demo (20 microservices) on **AWS EKS**, using **Terraform**, **Helm** and **Route 53** for infrastructure provisioning and service orchestration.
- **Automated CI/CD** pipelines with **GitHub Actions** and **Argo CD**, building **Docker images**, pushing to **ECR**, and syncing **Kubernetes manifests** for **GitOps**-driven rollouts with rollback support.
- **Automated CI/CD** pipelines with **GitHub Actions** and **Argo CD**, building **Docker images**, pushing to **ECR**, and syncing **Kubernetes manifests** for **GitOps**-driven rollouts with rollback support.
- **Configured AWS networking (VPC, subnets, Application Load Balancers)** and managed **Route 53 DNS** to securely expose the frontend over **HTTPS**.

TinyUrl-Url Shortner

[Link]

- **Streamlined** URL sharing for **200+ 2nd/3rd-year students**, reducing manual link sharing by **90%**.
- **Developed** and secured **REST APIs** with **Spring Boot**, **Spring Security (JWT)**, and **rate limiting**, achieving **99.9% uptime**.
- **Modeled** URL mappings in **PostgreSQL** with **Spring Data JPA**; managed schema changes via **Flyway migrations**.
- **Automated CI/CD** pipelines with **Jenkins**, **Docker Compose**, and **AWS EKS** for **zero-downtime deployments**.
- **Designed** responsive UI with **Thymeleaf + Bootstrap**, featuring one-click shortening and **real-time analytics**.

CP Buddy Bot

[Link]

- **Built a Python WhatsApp bot** that **scrapes** Codeforces, CodeChef, AtCoder and LeetCode for **daily CP contest info** and sends **automated group updates**.
- Added **scheduled reminders** (25 mins before contests) using **timezone-aware logic**, **JSON state tracking**, and **PyWhatKit** for reliable notifications.

EDUCATION

B.E (AI & DS)	PGMCOE, Pune	8.86/10	(JUN 2022 – JUN 2026)
HSC Education	D.D.S.P College Erandol, Dist. Jalgaon	73.83/100	(MAY 2021 – MAY 2022)
SSC Education	R.T.Kabre Vidyalaya Erandol, Dist. Jalgaon	92.40/100	(MAY 2019 – MAY 2020)

PROFILES

LeetCode: arun009 Max: 1534	CodeChef: arun2232 Max: 1428 (2 Star)	Codeforces: arun009 Max: 1200 (Pupil)	GitHub: arun009
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ACHIEVEMENTS

- **3rd** place in **CodeWar 2025** coding challenge (200+ participants)
- **Contributed** to custom-command Hacktoberfest Fest; pull request merged into main repository
- **Led** college Linux Users Group, organizing technical workshops and events
- **Winner** of **ChessWorld** tournament (150+ participants)
- **Solved** 700+ algorithm problems on **LeetCode**, **Codeforces**, and **CodeChef**

INTEREST

• Linux • DevOps • Drawing • Chess • Fitness