

# Atharva Subhash Patkar

Contact No. : +91 8530316076

Email-id : patkaratharva75@gmail.com

GitHub : <https://github.com/Asp2591>

LinkedIn : <http://www.linkedin.com/in/atharva--patkar>

## Objective

Aspiring Python Developer with a B.Tech in Electronics and Telecommunication Engineering and a keen interest in IT. Proficient in Python and familiar with technologies like AWS, DevOps, and databases. Looking for an internship opportunity to apply my knowledge, enhance my coding skills, and gain industry experience in software development.

## Academic Details

Year	Degree	Institute	GPA/Percentage
2019-2023	B.TECH	KITCOEK, Kolhapur	7.88/10
2019	HSC	G.A. College, Sangli	71.69
2017	SSC	G.A. Highschool, Sangli	86.80

## Skills

- Languages : Python 3, C, C++.
- DevOps Tool : Terraform, Docker, Kubernetes, Jenkins, Git and GitHub, Prometheus and Grafana.
- Data Science : Machine learning, Deep Learning, Computer Vision, NLP, Prompt design, Fine tuning, Generative AI, RAG
- Web Dev : HTML, CSS, JS, Flask ,Fastapi
- Cloud Platforms : AWS
- Databases : MySQL
- Operating systems : Linux

## Internship/work experience

### ➤ Eminence Institute, Sangli (DevOps Intern ):

- Automated CI/CD with Jenkins & Ansible, reducing deployment time and system downtime.
- Containerized apps with Docker & Kubernetes, improving resource efficiency.
- Managed AWS infrastructure using Terraform, ensuring environment consistency.
- Implemented Ansible for configuration management in multi-stage deployments.
- Enhanced AWS security with IAM roles and encryption to reduce vulnerabilities.
- Monitored systems using Prometheus/Grafana to ensure high availability.

## Projects

### Cloud Infrastructure Automation with Face Detection:

- Engineered a biometric authentication system (85% accuracy) to automate AWS resource provisioning, reducing manual setup by 60%.
- Deployed Terraform scripts for EC2/EBS orchestration, ensuring compliance with identity verification before infrastructure deployment.
- Enhanced security protocols by linking facial recognition to resource access, adaptable to enterprise-grade workflows.

Tech-stack: Face Recognizer, python, terraform, AWS

### Logo Maker Using LLM :

- Developed an NLP-driven logo generator converting text prompts into customizable designs, slashing branding costs by 35%.
- Improved design relevance by 30% through advanced prompt engineering and iterative model tuning.
- Containerized workflows (Docker) and automated CI/CD pipelines (Jenkins) for seamless cross-platform deployment.
- Delivered dynamic style/color customization for industry-specific branding needs via REST APIs (Fast-API).

Tech-stack: Python ,Open source LLM, prompt engineering, docker, jenkins

### AI-Powered Insight Generator from Natural Language Prompts via SQL (Query-Craft):

- Built a chatbot leveraging Gemini-Pro LLM to translate natural language into SQL queries, cutting query creation time by 40%.
- Automated Snowflake data retrieval and analysis, accelerating insights delivery for stakeholders.
- Deployed containerized microservices (Docker) on Azure VMs, ensuring scalability and secure data handling.
- Optimized API response times (Fast-API) for formatted query results and LLM-powered data summaries.

Tech-stack : Google gemini, SQL, Snowflake DB, Docker,Python

### Architecture request-based scalable Infrastructure:

- Designed and implemented scalable infrastructure using AWS EKS for hosting applications.
- Orchestrated deployments with Kubernetes and automated event-driven scaling using KEDA.
- Integrated AWS SQS for message queuing and decoupling microservices.
- Built secure, high-performance APIs with AWS API Gateway, ensuring seamless communication between components.
- Leveraged CI/CD pipelines for efficient deployments and monitored infrastructure using Prometheus and Grafana..

Tech-stack : AWS(EKS,SQS),KEDA, Pometheus, grafana

### Leadership & Extracurricular 🏰:

Conducted coding workshops and mentorship programs for 30+ junior students, improving their programming proficiency in Python by 40% through hands-on exercises and project-based learning.

### Awards / Achievements 🏆:

Ideal Student of the Year (2016–2017) | Recognized for academic excellence, leadership, and extracurricular contributions.

### Certifications / Training 📖:

- Data analysis with python DA0101EN (provided by IBM)
- Accenture North America Data Analytics & Visualization Simulation (Forage | Jun 2024)
  - Analyzed 7 datasets (SQL, Excel) to identify content trends for a social media client, delivering actionable insights to optimize user engagement strategies.
  - Modelled and cleaned data to reduce inconsistencies by 25%, enabling accurate forecasting of platform growth metrics.
  - Designed a stakeholder presentation (PowerPoint) and video walkthrough to highlight key findings, including recommendations to increase ad revenue by 15%.