

# MUHAMMED SADHATH V H

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## SKILLS

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Backend Development	Python, Django, DRF
Database Management	MySQL, PostgreSQL
DevOps & CI/CD	GitLab, CI/CD Pipelines
Frontend	HTML, CSS, Javascript
Containerization & Orchestration	Docker, Kubernetes, DC/OS, Nomad
Image processing	OpenCV, dlib
Search & Analytics	ELK stack(Elasticsearch, Logstash, Kibana)
Testing	Pytest, Unittest, Tox
Messaging & Streaming	Kafka, Redis, RabbitMQ, Celery
High-Performance Computing	Asyncio, Multithreading, Multiprocessing

## PROFESSIONAL EXPERIENCE

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### Associate Software Engineer

January 2024 - Present

Turbolab Technologies Pvt Ltd

- **Reduced scraping costs by 30% by implementing a centralized HTTP request module** that automated proxy selection, header setup, and response validation, streamlining crawler efficiency.
- **Migrated job scheduling from Apache Mesos to Kubernetes** in a Django project, improving orchestration efficiency by 25%, scalability, deployment simplicity, and system reliability.
- Designed a **Canary Deployment Platform with Django**, enabling seamless feature rollouts and minimizing downtime.
- **Replaced Redis with Kafka for url queue processing**, enhancing data handling speed by 40%, improved processing times led to a more responsive customer experience.
- Conducted comprehensive **Unit and Integration Testing** to validate the functionality of the system.
- **Developed a microservice to calculate proxy costs** and display them on the corresponding request scripts for accurate expense tracking.
- Enhanced CI/CD pipeline by integrating **Tox for multiversion compatibility**, reducing integration issues by 15%.

### Software Engineer Trainee

July 2023 - January 2024

Turbolab Technologies Pvt Ltd

- Developed and implemented a distributed **web scraping platform** with optimized data handling.

## EDUCATION

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Bachelor of Technology, APJ Abdul Kalam Technical University

2019 - 2023

Electronics & Communication Engineering

CGPA : 7.5/10

## PROJECTS

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### Drowsiness and Yawn Detection using Image Processing

- Python, OpenCV, dlib, NumPy
- Developed a real-time system to detect driver drowsiness and yawning using webcam feed.

## CERTIFICATIONS & ACHIEVEMENTS

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- Won **1st Prize in a hackathon organized by Turbolab Technologies** by developing an innovative chatbot to efficiently manage and track employee lunch counts.