

# MUHAMMED SADHATH V H

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## OBJECTIVE

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Results-driven Python Developer with expertise in Django, Django Rest Framework (DRF) and backend development, specializing in scalable and high-performance web applications. Skilled in API design, system optimization, clean code practices, and unit testing (Pytest) to ensure reliability and maintainability.

## SKILLS

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Backend Development	Python, Django, DRF, Fast API
Database Management	MySQL, PostgreSQL
DevOps & CI/CD	GitLab, CI/CD Pipelines
Web Scraping	BeautifulSoup, Playwright
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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<b>Associate Software Engineer</b> Turbolab Technologies Pvt Ltd	July 2023 - Present
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- **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.

## EDUCATION

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<b>Bachelor of Technology</b> , 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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- Completed a 200-hour certified **Coding Skills Course from ASAP Kerala**, focusing on Python, web technologies, and software development basics, recognized by NCVET.