



# Fawas Lal

Software Engineer (Python)

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## Profile

As an accomplished software engineer, I possess expertise in advanced data structures, distributed computing, and cloud-based services. My skill set includes robust SQL for data processing, mastery of Python, and proficiency in Flutter, Node.js, and GCP/AWS. I've honed my craft through collaborative practices like Git and Agile. Navigating the complexities of these cloud platforms is second nature to me. My experience extends to data science, business intelligence, and seamless implementation using data feeds

## Professional Experience

Aug 2021 – Feb 2023  
Trivandrum, India

### Python Data Engineer

*Standout IT solutions*

- Worked with the database Team on Building a Portal for Broadridge Financial Solutions
- Worked as a Python programmer by Processing Data according to clients' needs
- Analyzed and transformed terabytes of raw market and trading data using Python and other data analysis tools
- Provided insights to the trading team that led to the improvement of their strategies and automation of their tasks
- Utilized data analysis to detect and evaluate unwanted trading patterns and assess potential risks
- Streamlined data pipelines and conducted modelling and visualization
- Built, owned, maintained, and further developed different interactive trading applications
- Wrote and tested code for several ongoing projects
- Broadened technical knowledge and stayed up-to-date with the latest technology

May 2019 – May 2021  
Wayanad

### IT Officer

*JamJoom Hypermarkets*

As an Admin IT Officer, I was responsible for handling all IT aspects of the hypermarket, including setting up ERP software, providing tech support to the office, and assisting with payroll. In addition, I also filled in as the front office manager when needed. My natural curiosity and eagerness to learn new things keep me updated on the latest tech products and news. I am a good communicator and easy to work with, which has helped me build strong relationships with colleagues and clients alike.

## Skills

- Programming: Python, Shell Scripting (Java familiarity)
- Databases: PostgreSQL, Spark SQL, SQL, NoSQL

- ETL/ELT: Data ingestion, query optimization, job scheduling, monitoring
- Data Platforms: Data Lake, Data Warehouse, Data Pipeline, Big Data Processing
- Cloud Technologies: Azure (Synapse Analysis, Fabric, Data Factory), Power BI
- Web Crawling: Basic familiarity
- Communication: Strong corporate and interpersonal skills
- Data Analysis: Moderate analytical and data visualization abilities
- Domain Knowledge: General understanding of data engineering field
- Problem-Solving: Creative and open-minded approach
- Presentation: Effective communication and presentation skills

## Education

Jul 2015 – May 2018

### Bachelors degree in computer science

*University of Calicut*

- Was awarded the best team with a team of 4 at a state-level competition
- Won a Hackathon contest with a team of 4 at a district-level IT fair
- Built a multiplayer shooting game with a team of 4 as a lead

## Languages

English	● ● ● ● ●	Malayalam	● ● ● ● ●
Hindi	● ● ● ● ●	Arabic	● ● ● ● ●
Spanish	● ● ● ● ●		

## Skills

Python	● ● ● ● ●	SQL	● ● ● ● ●
Data Egnineering	● ● ● ● ●	Flutter	● ● ● ● ●
Photoshop	● ● ● ● ●	Javascript	● ● ● ● ●
web development	● ● ● ● ●	Data Science	● ● ● ● ●
Tableau	● ● ● ● ●	AWS	● ● ● ● ●
Power Bi	● ● ● ● ●	Machine Learning	
docker	● ● ● ● ●	flask	● ● ● ● ●
celery	● ● ● ● ●	Django	● ● ● ● ●

## Interests

- Sports
- Movies
- Travel
- Technology
- Books

## Certificates

**Data Science/Machine Learning**

### **Cisco CCNA Security**

Short course Certificate of Achievement, Charles Sturt University

## Projects

Aug 2022 – Jan 2023

### **Search engine optimization web crawler**

- Worked on search engine optimization project to help clients crawl pages and give the results on where their respective websites need improvement to be optimized by search engines.
- Technologies used Python, flask, celery, scrapy, docker, Aws

### **Machine Learning model For predicting Cardio Disease**

- Build a machine learning model that could predict possibilities of cardio diseases of a patient
- Trained the model Using past data of about 7000 patients
- Technologies used python, pandas,scikit learn, jupyter notebook

Aug 2021 – Aug 2022

### **Securities Class Action Portal**

- Built a web portal for Broadridge to digitally file their client's data, which involved filtering and editing data according to clients' needs and loading it to the database.
- Utilized Python and SQL technologies.