

# Shashank Shekhar

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🐍Python Developer

📍 Bengaluru, India

## SUMMARY

Immediate joiner with 2 years of experience in Python Development, Proficient in automating workflows, data analysis, and backend development with expertise in Python, Flask, django MongoDB, MySQL and Elasticsearch. Skilled in implementing ETL processes, API development, Microservices and working with cloud services like AWS S3. Demonstrated ability to lead projects, manage end-to-end development, and collaborate in team settings.

## SKILLS

- Programming Languages: Python (functions, Numpy, Pandas, OOP, Selenium, RegEx, DSA, Multiprocessor)
- Databases: MongoDB, SQL (Joins, Queries, Subqueries, Aggregate Functions, RegEx), Elastic search
- Data Analysis Tools: PowerBI (DAX, Data Modelling, ETL), Advanced Excel (VLOOKUP, Pivot Tables)
- Web Development: Flask, Django, REST Framework, HTML, API's
- Cloud & Automation Tools: RabbitMQ, AWS S3 (Boto3), GitHub, Postman, make.com
- ADAS: SIL Testing (Labelling, Preanalysis, Simulation), EBA, SRR, Jira

## PROFESSIONAL EXPERIENCE

### DBI360

JUL 2024 – PRESENT

- **ETL ( extract transform load )**

Automated country normalization with Pycountry and Geopy, optimized bulk data updates using RabbitMQ, and developed multi-file ETL pipelines with Python, Pandas, and Boto3, processing data across S3, Elasticsearch, and MongoDB while integrating APIs for timezone adjustments and email guessing.

- **Task Management Web Application**

Developed a **Flask-based task management app** with **CRUD** operations, **Authentication**, task filtering, notifications, and due date escalations. Integrated **MongoDB, SQL, JWT authentication**, Microsoft Teams (**Graph API**), and email alerts via **SMTP/webhooks**. Enhanced security and usability with login, logging, and efficient data filtering.

- **Employee Management System:**

Developed and implemented a secure HRMS employee management module by using django framework and sql with encrypted staff ID authentication handling employee data such as addresses, education, work experience, and bank information via RESTful API endpoints. Ensured secure data transmission and robust error handling, enabling efficient management and retrieval of employee records. Middleware for Hod verifications.

### Continental Automotive

APRIL 2023 - MAR 2024

- **JIRA Dashboard using PowerBI**

Automated **Jira data extraction** with **Selenium**, processed using **xlwings, numpy, and pandas**. Created an interactive **PowerBI** dashboard with visualizations (treemap, donut chart) and implemented **DAX** formulas for advanced analysis.

- **ADAS: Data Analysis (Labeling & Pre-analysis):**

Played a vital role within a collaborative team environment, contributing to **simulation** activities aimed at generating **CSV** and **bsigs** files crucial for the labeling process. Utilized **Test scripts, Doors** and **Python scripts** to execute simulations effectively

- **ADAS: SIL Testing/Automation (Simulation):**

Contributed to simulation activities, generating **CSV** and **BSIG** files for labeling. Utilized **Python, Test scripts, and Doors** for effective **simulation** and data generation.

## EDUCATION

2018-2022

**B.tech (Electronics and Communication)**

Oriental institute of science and technology, Bhopal

7.6 CGPA

## LANGUAGES

- English
- German
- Hindi