

Shreyans Suraliya

Mumbai

Software Developer (Backend)

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🔗 [GitHub Profile](#)

🌐 [LinkedIn Profile](#)

EDUCATION

• Bachelor of Technology in Electronics Engineering

2018-22

K. J. Somaiya College of Engineering, Mumbai

EXPERIENCE

• Software Developer (Backend)

August 2022 - Present

Agrahyah Technologies

Mumbai

- Development of robust and scalable backend systems, taking full ownership of database design, code architecture, and implementation.
- Developed **RESTful APIs** and **WebSocket** servers for seamless communication with web, Android, and iOS client applications.
- Optimizing API performance, **achieving a remarkable 25% improvement** in API response times, resulting in enhanced system efficiency and user satisfaction.
- Proficiently utilized backend programming languages and technologies, including **Python, Django, and Wagtail**.
- Designed and implemented a custom analytics solution, enabling tracking of key metrics, including show page visits, and episode streams, enhancing data-driven decision-making.
- Successfully developed a component-based website using **Wagtail**, empowering clients to effortlessly manage and place dynamic content via an intuitive admin panel, enhancing user engagement.
- Built Stripe subscription service for aawaz.com backend as a POC.

• Software Developer Intern

March 2022 - June 2022

Bellel

Mumbai

- Developing mobile application using **Flutter**
- Implemented **BLOC pattern** for state management
- Co-ordinating with UI/UX developers to create pixel perfect screens
- Integrating **RESTful APIs** and **WebSocket** with the mobile application
- Used custom **Stream controllers** and **Animated controllers** to create animations

SKILLS

Languages: Python

Frameworks : Django, Django REST Framework, Wagtail, Flutter

Cloud: Google Cloud Platform (GCP)

Databases: PostgreSQL

Others: Celery, Elasticsearch, Redis, RabbitMQ

Web Hosting: Linux, NGINX, Apache, Docker

Dev Tools: Git, Github

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

PERSONAL PROJECTS

- **Automated Plant Classification ([Link](#))** Developed an application utilizing Instance Segmentation for leaf segmentation and Convolutional Neural Networks to classify plants in India, achieving an 80% accuracy. Employed MaskRCNN and Detectron2 for leaf segmentation, implemented server-side image processing and detection in **Python**, and created a **Flask** API. Additionally, developed a mobile app using the **Flutter** framework.
- **Home Automation Controlled By A Watch ([Link](#))** Built a Home appliances controlling system which can be used to turn ON and OFF any home appliances connected through it from anywhere in the world. The system was built using **ESP8266-01** to which maximum two devices can be connected and watch was designed with an **ESP8266-12E** module which has in-built **WiFi**. The watch was capable control appliances, display Time, Date, Temperature and Humidity of a particular city. Time was displayed using **NTPClient API** and weather using **OpenWeatherAPI**. The system and watch were connected using **Blynk IOT** server