



BIKRAM SANKHARI

Full Stack Web Developer

☎ +91 8018-023-116

✉ bikramsankhari2024@gmail.com

 linkedin.com/in/bikram-sankhari

 github.com/Bikram-Sankhari

SKILLS

BACK END: Python (Django, Flask), Django Rest Framework, C, JAVA

FRONT END: HTML, CSS, Bootstrap, Javascript

DATABASE: PostgreSQL, SQLite, PostGIS (for Spatial Data)

DEPLOYMENT: Linode Server, Unicorn, NGINX

OPERATING SYSTEM: Linux, Windows

VERSION CONTROL SYSTEM: Git

AI ASSISTANT: Amazon CodeWhisperer, ChatGPT, Gemini

MISCELLANEOUS: Data Structures and Algorithms

(*Despite of having all these skills, the greatest skill I believe I possess is the ability to make up my mind to learn any new skill at any time quickly)

PROJECTS

- DEVELOPED A MULTIPLE RESTAURANT MARKETPLACE WEB APPLICATION

(Have a look at - <https://youtu.be/w94kJWzct4o>)

(Codebase at - <https://github.com/Bikram-Sankhari/Cyber-Restaurant>)

Key Features:

- Location based Restaurant search using GDAL & Google Maps API
- Live payment using PhonePe payment Gateway
- Single order generation from Multiple Restaurants
- Token Verification for Authentication
- Refresh-less cart functionalities using AJAX
- Responsive UI
- Clean, Maintainable & Scalable codebase

Technologies Used:

Django, Python, Google Maps API, PhonePe API, GDAL, Geo Django, PostgreSQL, PostGIS Extension (for Spatial Data), HTML, CSS, Bootstrap, Javascript, JQuery, Sweet Alerts, AJAX

Impact:

77% of diners visit a restaurant's website before they dine in or order takeout (<https://www.mghus.com/lp/restaurant-survey>). So having an online presence has numerous marketing benefits for a restaurant.

- DESIGNED SOCIAL NETWORKING APIS

(Have a look at - <https://youtu.be/YbyxrlfNy3c>)

(Codebase at - <https://github.com/Bikram-Sankhari/Social-Media-API>)

Key Features:

- Representational State Transfer (RESTful) Architecture
- User Profile Serialization
- Authentication System
- Search Result Pagination
- Easy Integration
- Clean, Maintainable & Scalable codebase

Technologies Used:

Django, Python, Django Rest Framework

Impact:

These kinds of APIs are useful for those Applications which are designed in Microservices Architecture, to maintain consistency between Web Apps, Desktop Apps and Mobile Apps.

- **CREATED A BLOGGING WEB APP**

(Have a look at - <https://youtu.be/b-rTezMyfUY>)

(Codebase at - <https://github.com/Bikram-Sankhari/Knowledge-HUB>)

Key Features:

- User Authentication
- Fully-fledged browser based text editor for designing Blogs
- Comment section for each Blog
- Anonymous Blog view support

Technologies Used:

Flask, Python, SQLAlchemy, Werkzeug, WTForms, SQLite, HTML, CSS, Flask-Bootstrap

Impact:

While most individual blogs earn in 10s of dollars per month range, some of the most popular blogs reportedly earn 1000s of dollars per month (<https://robbieallen.medium.com/the-impact-of-blogging-a15eb69386bf>). So, blogging can be a good source of income for people.

- **ENGINEERED A VIRTUAL MACHINE AND ASSEMBLER**

(Have a look at - <https://youtu.be/7E8ST-rQqoA>)

(Codebase at - <https://github.com/Bikram-Sankhari/HiJack>)

Key Features:

- Human readable program to machine code through an intermediate VM code using Stack Data Structure.
- Object Oriented Programming (OOP) support
- Huge codebase with 4 level pointer arithmetic

Technologies Used:

C

Impact:

While nowadays most of the programmers take compilers and interpreters for granted, building one from scratch exposed me to the underlying techniques

and beauty of computers. It gave me a very strong understanding of the very basics of computer science e.g. Bit Manipulation.

- **AND MORE..... e.g. – PASSWORD MANAGER DESKTOP APP**
(Have looks at - <https://www.youtube.com/channel/UCYcmE7Cl9droFHp4esAasVg>)
(Codebases at - <https://github.com/Bikram-Sankhari>)
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ACHIEVEMENTS

- Earned “*Teacher*” Badge on Stack Overflow
(<https://stackoverflow.com/users/22411868/bikram-sankhari>)
 - Earned “*Supporter*” Badge on Stack Overflow)
 - Promoted to “Trust Level 1” in Django Official Forum
(<https://forum.djangoproject.com/u/bikram-sankhari/summary>)
 - 100/100 marks in Mathematics, 99/100 marks in Physical Science in Secondary Exam
(<https://github.com/Bikram-Sankhari/Bikram-Sankhari/blob/main/Secodary%20Marksheet.jpg?raw=true>)
 - 99/100 marks in Mathematics in Higher Secondary Exam
(<https://github.com/Bikram-Sankhari/Bikram-Sankhari/blob/main/Intermediate%20Marksheet.jpg?raw=true>)
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EDUCATION

- Intermediate from Rabindra Smrity (S) Vidyaniketan in 2018
- Secondary from Rabindra Smrity (S) Vidyaniketan in 2016