PRIYANKA K
SENIOR SOFTWARE ANALYST

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CAREER OBJECTIVE

Driven and adaptable Python developer with a strong inclination towards creativity and goal achievement. Seeking opportunities to leverage expertise in Python-based development to contribute to innovative projects and propel professional growth.

PROFESSIONAL SUMMARY

- Over 5.6 years of hands-on experience in software development, specializing in Python.
- Proficient in crafting robust web applications using leading Python frameworks such as Django, Flask, and FastAPI.
- Extensive expertise in designing and implementing RESTful APIs using Flask Python, ensuring efficient communication between components.
- Possess intermediate proficiency in Angular for front-end development, complementing Python back-end skills to deliver full-stack solutions.
- Proven track record of collaboration within teams, actively engaging in requirement gathering, problem analysis, and sprint planning to drive project success.
- Key strengths include adaptability to dynamic environments, confidence in tackling challenges, and unwavering dedication to achieving excellence.

PROFESSIONAL EXPERIENCE

- **Senior Software Analyst**: JANUARY 2018 – Present TVS NEXT LTD -Chennai.

EDUCATION

- Completed B.E in the stream of Electronics and Communication Engineering from KSR college of Technology Tiruchengode, Namakkal(affiliated to Anna University).

SKILLS

OS	Linux, Windows
Languages	Python
Web frameworks	Django, Flask, FastAPI
Scripting	HTML, CSS, Javascript, Jquery
Database	PostgreSQL, MongoDB, SQL server
IDE	Pycharm, Visual Studio
Version Control	Gitlab, Bitbucket
Deployment	Jenkins
Tracking tool	Jira, Redmine
Additional skills	Docker, MQTT, Kafka, Websocket, XML/JSON, Python Shell, ORM, Pytest, SQLObject, Celery, AWS S3 Buckets

PROJECT DETAILS

Project 1

Clinical Analytical Engine is a AI/ML Predictive Healthcare Platform, unify the structured and unstructured ingested data to form a complete health picture.	
Client Name: Vikriti management consulting	

Role	Python Developer	
Environment (with skill versions)	OS	Linux
	IDE Tool	Pycharm
	Language	Python
	Framework	Django
	Database	PostgreSQL
Responsibilites	• Developed a TFA system with Twilio integration, Implemented celery jobs for continuous process. And Written unit testcases for the models, views by using django pytest. • Involving in the development of web application using Django consist of multiple stakeholder and member portals.	

Project 2

Affinitext Intelligent document format(IDF) turns the challenge of understanding and managing complex documents, such as contracts, policy&guidelines, legislation and knowledge rich reports on its head.	
Client Name: Affinitext	

Role	Python Developer	
Environment (with skill versions)	OS	Linux
	IDE Tool	Pycharm
	Language	Python
	Framework	Turbogears, CherryPy, Flask
	Database	PostgreSQL
Responsibilites	• Involved in the Development of backend REST API's for angular frontend, • Creating unit testcases using Pytest and bugfixing.	

Project 3

Mask (Face attendance system) is a Python Django web framework based application for face attendance system.	
Client Name: TVSNEXT	

Role	Python Developer	
Environment (with skill versions)	OS	Linux
	IDE Tool	Pycharm
	Language	Python
	Framework	Django
	Database	PostgreSQL
Responsibilites	By using Python Django web framework developed an authentication resource listing, user role creation and user role assignment modules.	

Project 4

Counseling Recorder is an IoT device that is designed to record audio and video of the counseling session of the patients and send the recorded video to the server.	

Client Name: Gleneagles Global Health City, Chennai		
Role	Python Developer	
Environment (with skill versions)	OS	Linux
	IDE Tool	Pycharm
	Language	Python
	Database	SQL server
Responsibilites	Developed the modules for recording audio and video of the counseling session , moving the files to the server in a format using Python and Raspberry Pi.	

Project 5

Enterprise Asset tracking is a web and IoT based application to track and able to see the exact location of an individual inside the Working area. It works with Bluetooth technology. It is aimed to track the employees who are trapped inside the manufacturing plant during emergency times.	

Client Name: Tatapower solar, Bangalore.		
Role	Python Developer	
Environment (with skill versions)	OS	Linux
	IDE Tool	Pycharm
	Language	Python
	Database	MongoDB
Responsibilites	Involved in the development of Bluetooth fingerprint aggregator and location estimator in Python and developed a simulator based in a Python flask to simulate the real-time data to test the application performance.	

Project 6

DCS monitoring System is based on the text extraction tool from the images. Taking screenshots from the computer graphics screens which are connected to boiler machines. Pre-processed (Skew correction, Noise removal, bounding box) the screenshot images, categorize and extract the reliable data from the images and uploaded it into the SQL database using Python OpenCV, Pillow.	

Client Name: Arel		
Role	Python Developer	
Environment (with skill versions)	OS	Linux
	IDE Tool	Pycharm
	Language	Python
	Framework	Flask
	Database	SQL server
Responsibilites	Involved in the development of Digital control system monitoring platform which process and extract the particular data from the monitor screenshots and uploaded it into the SQL database.	

Project 7

Digitization Engine is based on a text extraction tool. Pre-processed (Skew correction, Noise removal, bounding box) PDF files, images and scanned documents using Python Open CV, categorize and extract the reliable data from the documents and uploaded into the SQL database.	
Client Name: Unifo Solutions Pvt. Ltd	
Role	Python Developer
Environment (with skill versions)	OS — Linux IDE Tool — Pycharm Language — Python,Python Open CV, Pillow, Pytesseract Database — SQL server
Responsibilites	Involved in the development of Digital control system monitoring platform which process and extract the particular data from the monitor screenshots and uploaded it into the SQL database.

Project 8

Performance testing Engine is a Hardware Performance testing application with simulates with bulk real-time mock data. Testing the performance, CPU and RAM usage of the IoT device and Web-socket endpoints with the simulated data. Testing the load balance of the Kafka with generated data.	
Client Name: Tekion India Pvt Ltd	
Role	Python Developer
Environment (with skill versions)	OS — Linux IDE Tool — Pycharm Language — Python Database — MongoDB
Responsibilites	Developed a performance testing engine to testing the performance of the IoT device and Web platform and responsible for setting up Kafka and performance tuning.