SHUBHAM RAUT

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SKILLS SUMMARY

- **Programming Languages**: Python
- **Frameworks**: Django, Flask, FastAPI
- **Databases**: MYSQL, Sqlite3
- **Cloud Platforms**: AWS, CI/CD,ETL
- **Version Control**: Git, GitHub
- **Libraries and Tools**: Numpy, Pandas, OpenCV, Xray-Larch, ORM, PyTesseract,Kaggle
- **AI and Machine Learning**: HuggingFace, OpenAI APIs, RAG, Transformers, Langchain, LLM, Prompting

CAREER OBJECTIVE

I am seeking an opportunity to work in a challenging and fast-paced organization where I can utilize my skills and abilities by continuously upgrading them and enhancing my professional competency, thereby adding value to the organization's growth and maturity.

PROFESSIONAL EXPERIENCE

PROFESSIONAL SUMMARY

- Total 4 years of experience as a Software Engineer in Python.
- Relevant 3.6 years of experience as a Software Engineer in Python.

Junior Software Engineer *March 2021 - November 2022 CDN Solutions Group Pvt. Ltd.*
- Developed and maintained web applications using Python and Flask.
- Optimized database queries for improved performance using MySQL and PostgreSQL.
- Collaborated with cross-functional teams to deliver high-quality software solutions.
- Implemented RESTful APIs for seamless integration with third-party services.

Associate Software Engineer *December 2022 - May 2023 Legalpay Technology Pvt. Ltd.*
- Built scalable backend systems using Django and FastAPI.
- Enhanced application security by integrating authentication mechanisms.
- Streamlined deployment processes using Docker.
- Contributed to the development of AI-driven features using GPT and LLM models.

Software Engineer *May 2023 - December 2024 CDN Software Solutions Pvt. Ltd.*
- Developed tools for data extraction and processing using OpenCV and PyTesseract.
- Collaborated with the team to create modules for project requirements and deliverables.

Software Developer January 2025 - Present

As a Contract(C2H).

- Working on chatbot using openai integration for astrolok chatbot.
- Developed tools for chat-bot using llama and mistral open source model for BTL Campaigns .
- Collaborated with the team to create modules for project requirements and deliverables.

PROJECTS

XAFS Analysis

Python, Flask, Xray-Larch, PyQt4, Mssql, ORM

- Developed a Python-based application to analyze the quality of metal foils.
- Integrated Xray-Larch and PyQt4 for data visualization.
- Optimized material scanning processes using Flask and ORM.
- Improved user experience with Tkinter-based interfaces.

WISE IoT

Python, Flask, Web Sockets, MySQL

- Designed an IoT system for monitoring human physical activities.
- Implemented real-time data tracking using Web Sockets and MySQL.
- Developed a web platform for patient health monitoring.
- Enhanced system reliability through Flask-based architecture.

Resume Builder

Python, Django, Regex, Sqlite3, HTML, CSS, Javascript

- Created a regex-based tool for generating professional resumes.
- Integrated Neural-Network for intelligent data processing.
- Developed front-end interfaces using HTML, CSS, and JavaScript.
- Streamlined backend operations with Django and SQLite3.

WhatsApp ChatGPT

Python, Flask, Sqlite3, OpenAi, ReactJs

- Developed a chatbot using GPT and NLP models.
- Integrated LLM for enhanced conversational capabilities.
- Implemented backend services with Flask and SQLite3.
- Created a ReactJS-based interface for user interaction.

Cogntiv-Ai

Python, FastApi, Postgres, Binance APIs, OpenAi

- Built a cryptocurrency trading platform using Binance APIs.
- Integrated GPTPro for AI-driven conversation capabilities.
- Developed scalable backend systems with FastAPI and Postgres.
- Designed front-end components using React.js.

Zed+

Python,GenAi, OpenCV, MySql, Ocr, PyTesseract

- Developed a tool for newspaper data extraction using OCR.
- Implemented PyTesseract for accurate text recognition.
- Optimized data processing workflows with OpenCV.
- Designed a MySQL-based database for efficient data storage.

BTL Campaign

Python, GenAi, Openai, Mistral, RAG, React

- Developed a chatbot to take the user campaign query inputs and generate the new idea for product marketing and convert PPT template of the data.
- Implemented the open source model for fine tuning with own data.

EDUCATION

Lakshmi Narain College Of Technology, Indore *2017 - 2021 B.Tech in Information Technology 7.4 CGPA*

Govt. Polytechnic College, Betul *2013 - 2016 Diploma in Electronics and Telecommunication Engineering*

IGHS School, Rajegaon, Chhindwara *2011 - 2013 Higher Secondary Education*

ACHIEVEMENTS

• Developed AI-driven tools for cryptocurrency trading.
• Optimized data extraction processes using advanced OCR techniques.
• Implemented scalable backend systems for IoT and health monitoring platforms.
• Contributed to the development of AI-based chatbots using GPT models.