



# Abhishek S S

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<https://github.com/AbhishekSahukar>

A highly motivated ambitious individual with knowledge and experience in software design, development and cloud. Have a proven ability to lead by example, consistently hit targets, improve best practices and organize time efficiently. Now looking forward to making a significant contribution as a member with a company where I can hone my abilities and assist.

## Projects

### MetaTableAI – LLM-Powered Table Parameter Extractor

- Built a Python-based parser that extracts parameter-value-context triples from complex PDFs using DeepSeek Chat v3 via OpenRouter API.
- Utilized PyMuPDF for PDF text extraction and integrated dynamic prompt generation to support varied document structures.
- Integrated with LangGraph to enable multi-step agent workflows for document ingestion, validation, and storage.
- Designed a CI-ready architecture with secure .env config, modular prompts, and output saved to a json file.

### RAG-based Personal AI Chatbot using Mistral 7B, Docker & Azure

- Designed and developed an AI chatbot using FastAPI (backend) and Streamlit (frontend) to answer user queries via RAG (Retrieval-Augmented Generation) architecture.
- Integrated Mistral-7B via OpenRouter API for LLM-based responses and used FAISS for efficient vector similarity search.
- Containerized the entire app using Docker and deployed to Azure Container Apps with Azure Container Registry (ACR) for hosting.
- Ensured secure API key management using .env and built robust CI/CD pipeline using GitHub Actions for automated builds and deployments

### Todolist application using Python

- Developed a dynamic web application using Python Flask for to-do list management.
- Integrated PostgreSQL for efficient and secure data storage.
- Enabled task creation, viewing, updating, and deletion functionalities.
- Implemented check/uncheck features for completed tasks to enhance usability.
- Used Git for version control.
- Performed unit test and automation test using pytest.

## Work Experience

05.2024 - 09.2024

### Pushpam Ayurveda Wellness Centre

UI/UX Designer (Freelance)

- Conducted stakeholder interviews and gathered user requirements to align the design with patient and business needs.
- Contributed to a successful go-live, with the new website achieving a 40% improvement in average session duration within the first month.
- Supported the team throughout the development lifecycle, conducting design QA and recommending iterative UI/UX refinements, which led to a 20% faster user task completion time and improved overall site navigation efficiency.

12.2023 - 03.2024

### Baoiam Innovations Pvt Ltd

UI/UX Designer intern

- Worked on complete user research for the mobile app.
- Designed Low Fidelity wireframes for the app.
- Worked on the UI design and prototype of the mobile app.
- Conducted testing on the app design.

## Skills

Programming & Scripting	- Python,Bash
Frameworks & Api's	- Flask, REST API Development & Integration, Streamlit
Frontend Development	- Html, CSS, Bootstrap
Testing & Automation	- Manual testing, API Testing, Test Automation, Pytest, Postman (API Monitoring)
Database & Vector Stores	- SQL, Postgress, FAISS
Cloud & DevOps	- AWS: EC2, S3, IAM, ELB, RDS, CloudWatch, Git (Version Control), Docker, GitHub Actions, Azure: Container Apps, Azure Container Registry
AI & ML tools	- Langgraph,LLM API's, RAG Architecture, SentenceTransformers, OpenRouter, Prompt Engineering
UI/UX Design	- Figma, Canva, Illustrator, User Research, Wireframing,Prototyping

## Education

08.2019 - 06.2023

### Bachelors in Mechanical Engineering

7.9 Cgpa

SJB Institute of Technology VTU Bengaluru

06.2017 - 04.2019

### Pre - University: Computer Science

83%

SKCH Bengaluru

06.2016 - 03.2017

### High school

92%

Carmel School Bengaluru

## Languages

English

Kannada

Hindi

## Hobbies

Fitness Enthusiast