



AKHIL PANDARAPARAMBIL SURESH

Software Engineer | Python

Experienced Software engineer with around **5 years** of expertise in **Data Engineering, full-stack development, API development, automation, ETL processes** and **AI integration**, delivering scalable and high-performance solutions. Proven track record of collaborating with cross-functional teams in **agile environments** to align technical solutions with business objectives.



EXPERIENCE

FULLSTACK DEVELOPER

01.07.2025 – PRESENT

[boeck GmbH, Germany \(Par-time\)](#)

- Managing company's custom Django-based ERP system, improving operational workflows across departments.
- Implementing new features and maintaining backend logic using Python, Django ORM, and PostgreSQL.
- Developing user-friendly frontend components with HTML, CSS, JavaScript, Tailwind and Bootstrap .
- Managing deployments and environment configurations using Docker and Linux-based servers.

SENIOR SOFTWARE ENGINEER

27.01.2023 – 28.12.2024

[Optum Global Solutions India Pvt. Ltd](#)

2 Years

- Built Python automation frameworks for medical auditing using IBM PCOMM and SQL.
- Automated tasks with VBScript/VBA for Excel and PCOMM.
- Developed full-stack apps using Flask, FastAPI (REST), React.js, Streamlit, Docker, SQL Server & MongoDB.
- Integrated LLMs and AI/ML into new and existing applications.
- Created internal tools, led multiple trainings for dev teams.
- Built live API tools, USPS data cleansing, Elasticsearch, fuzzy matching, ETL workflows and NLTK Solutions.
- Used Git for version control and deployed apps on Azure.

PYTHON DEVELOPER

16.01.2022 – 13.01.2023

[Guidehouse India Pvt. Ltd](#)

1 Year

- Built web automation, crawlers, spoofers, and ETL tools using Scrapy, Selenium, Pandas, NumPy, and Requests.
- Supported Salesforce data ops, wrote shell/power scripts, and led Python training sessions.
- Developed full-stack apps using Flask, Django, SQL, and Power Apps.

ASSOCIATE

24.08.2020 – 15.01.2022

[Guidehouse India Pvt. Ltd](#)

1 Year 5 months

- Automated and validated MIS reports with Python and optimized SQL.
- Utilized advanced Excel features (pivot tables, VLOOKUP, analysis).
- Built detailed surveys with Qualtrics.
- Involved in full SDLC: requirement gathering to deployment.

CONTACT

☎ (+49) 15510248642

✉ akhilpsinbox@gmail.com

📍 Zwölfergasse 1,
89231, Neu-Ulm

in www.linkedin.com/in/akhil-ps

🔗 <https://github.com/akhilpsin>



TECHNICAL SKILLS

Programming Languages:

Python, SQL, VB Script, VBA,
Golang, Linux

Web Frameworks:

Flask, FastAPI, Django, React.js,
Streamlit

Testing & Automation:

pytest, smtplib, keyboard, PyWin32,
PyAutoGUI, UIPath, Power Automate

DevOps & Cloud:

Docker, Git, Azure

Big Data & Databases:

Azure Data Factory, Elasticsearch,
SQLAlchemy

AI/ML & NLP:

Hugging Face (Transformers,
Tokenizers, Datasets), Scikit-learn

ETL & Data Processing:

Pandas, NumPy, Polars, Regex,
Tableau

Web Scraping & Parsing:

Scrapy, Selenium, Requests,
BeautifulSoup, OpenCV, Playwright,
pdfplumber, PyMuPDF, pyesseract

CERTIFICATES

- **Microsoft Azure AZ-900:**
Microsoft Azure Fundamentals
- **Data Analysis with Python:**
IBM on Coursera
- **Agile Project Management:**
Google on Coursera
- **Agile with Atlassian Jira:**
Atlassian on Coursera

PUBLICATIONS

“Hospital Managing QR Code Web Application Using Django and Python”

- IJCRT, Vol 8, Issue 5 May 2020
- Link to paper:
<https://ijcrt.org/papers/IJCRT2005507.pdf>
- **Description:** Development and implementation of a web application for hospital management, utilizing QR codes. This application is built using the Django web framework.

LANGUAGE

- Malayalam- Native
- Englisch - C1
- Deutsch - A2
- Hindi - C1

HOBBIES

- Reading
- Traveling
- Pencil Sketch
- Dance

VISA STATUS

- German Opportunity Card (**Job Seeker**)
- Validity: 01.01.2025 – 31.12.2025

EDUCATION

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING

05.08.2016 - 29.11.2020

APJ Abdul Kalam Technological University, Kerala, India

- Total Percentage: 73 %
- German Recognized (ANABIN database)



PROJECTS

FastAPI Job Matching with Elasticsearch [[GitHub](#)]

Tech Stack: FastAPI, Elasticsearch, Python, Docker, Pytest

Description: Designed and developed a FastAPI-based job matching API that efficiently retrieves and ranks job postings and candidates using Elasticsearch. The API supports relevance-based search, filtering by salary, skills, and seniority, and containerized with Docker

IT Job Market Insights on Germany [[GitHub](#)] [[Demo](#)]

Tech Stack: Python, Pandas, BeautifulSoup, Requests, Selenium, Tableau

Description: Conducted data extraction and analysis of IT job postings in Germany using web scraping techniques. Processed and cleaned job market data with Pandas and visualized key insights using Tableau. Automated data retrieval with Requests to track trends over time.

RAG Context-Aware Chatbot with Phi [[GitHub](#)]

Tech Stack: Python, FAISS, SentenceTransformers, Ollama (Phi), PyMuPDF, CLI

Description: Built a modular Retrieval-Augmented Generation (RAG) chatbot powered by Ollama’s Phi model to answer queries based on uploaded PDFs. The system parses and chunks PDF documents, embeds them using SentenceTransformers, and indexes them with FAISS for fast semantic retrieval. Includes real-time streaming responses, hallucination filtering via keyword detection.

Smart Meal Recommendation App [[GitHub](#)] | [[Demo](#)]

Tech Stack: Streamlit, Python, Pandas

Description: Developed an interactive meal recommendation web app that suggests trending meals, budget-friendly options, and personalized meal combos based on user preferences. Implemented user authentication, real-time meal selection, and order history tracking. Deployed the app on Streamlit Cloud.

Dappy - Django Pet E-commerce Platform [[GitHub](#)]

Tech Stack: Django, Python, PostgreSQL, HTML, CSS, JavaScript

Description: Built a pet e-commerce platform that allows users to browse, search, and purchase pet-related products. Implemented features like product listing, user authentication, and order management. Integrated a PostgreSQL database for secure and scalable data storage.

Neu-Ulm, 09 July 2025