



# AKHIL PS

## Software Engineer

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**LinkedIn:** linkedin.com/in/akhil-ps | **GitHub:** github.com/akhilpsin | **Portfolio:** bit.ly/akhilps

## Personal Information

- **Date of Birth:** 29.04.1998
- **Place of Birth:** Kochi, India
- **Gender:** Male
- **Nationality:** Indian

## Professional Experience

### Senior Software Engineer

**Optum Global Solutions India Pvt. Ltd | Hyderabad, India**

**27.01.2023 – Present**

- Developed a Python tool to streamline data extraction, cleaning, and structuring from multiple emulators. This involved managing multiple macros in parallel, resulting in an impressive 80% reduction in manual effort.
- Implemented ETL processes to meet various business needs, including database cleaning and data structuring for web tools.
- Created Python scripts for generating comparative reports using live APIs and advanced data processing techniques.
- Contributed to web solutions using Selenium and developed VBScript/Excel macros for claims processing and auditing.
- Designed Python GUI tools to facilitate macro conversion, enhancing overall productivity.
- Worked on React web applications and built APIs with Flask.

### Python Developer

**Guidehouse India Pvt. Ltd | Thiruvananthapuram, India**

**16.02.2022 – 13.01.2023**

- Developed Python scripts for data management, automation, web applications, and ETL projects, automated various MIS tasks using advanced Excel, assisted with Salesforce data loading and testing to ensure accuracy, Authored shell scripts for system efficiency, and Conducted Python training for colleagues.

### Associate

**Guidehouse India Pvt. Ltd | Thiruvananthapuram, India**

**24.08.2020 – 15.02.2022**

- Cross-trained in Python, R, SQL, .NET C#, Spotfire, Automation Anywhere (RPA), Marvel design platform, and Excel during my training period.
- Developed Python scripts and optimized SQL queries, Participated in the entire project cycle, from requirement gathering to deployment and designed detailed surveys with Qualtrics.

## Education

**Bachelor of Technology in Computer Science and Engineering | 05.08.2016 – 29.11.2020**

APJ Abdul Kalam Technological University | Kerala, India

- CGPA: 7.64

## Skills

- **Programmiersprachen / Programming Languages:** Python, VB Scripting, SQL / NoSQL
- **Web-Entwicklungsframeworks / Web Development Frameworks:** React, Flask, Django
- **Cloud-Plattformen / Cloud Platforms:** Azure
- **Versionskontrolle / Version Control:** Git, Bitbucket
- **Softwarekenntnisse / Software Proficiency:** Microsoft Word, Excel, Power Point, Power BI
- **Robotic Process Automation (RPA):** UI Path, Power Automate
- **Python-Bibliotheken und Data Science Tools / Python Libraries and Data Science Tools:** Pandas, NumPy, Matplotlib, Scikit-learn, Polars, pytesseract, OpenCV, pdfplumber, pypdf, PyMuPDF, pywin32, Scrapy, BeautifulSoup, Requests, Selenium, Playwright

## Languages

- Englisch / English: Advanced (B2)
- Deutsch / German: Beginner (A1/A2)
- Malayalam: Mother tongue

## Certifications

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- **Microsoft Azure AZ-900:** Microsoft Azure Fundamentals
- **Data Analysis with Python:** IBM on Coursera
- **Microsoft Azure Machine Learning:** Microsoft on Coursera
- **Architecting with Google Compute Engine:** Google Cloud on Coursera
- **Introduction to Git and GitHub, Agile Project Management:** Google on Coursera
- **Agile with Atlassian Jira:** Atlassian on Coursera

## Hobbies

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- Workout
- Backpacking
- Pencil sketch
- Dance

## Publications

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Published a journal in IJCRT, analyzing the technical details and potential impact of academic medical web app project.  
Link: <https://ijcrt.org/papers/IJCRT2005507.pdf>