

# AMRIT RANJAN

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**Summary:** 2+ years of experience in data-driven software development, specializing in backend systems, data extraction, reconciliation, and test data management.

## WORK EXPERIENCE

### Avo Automation (A division of SLK Software)

Bangalore, India

*Product Engineer - Development*

Aug 2023 – Present

- Collaborated with a 10-member cross-functional team to drive product development and strategy.
- Initiated bi-weekly communication channels, reducing data-related bottlenecks by 30%.
- Contributed to the iTDM project's success, improving data management effectiveness by 25%.
- Developed POCs for data virtualization and dynamic data masking, optimizing data access, integration, and security.

### Bot IT Services (BOT mantra)

Bangalore, India

*Associate Software Engineer*

May 2022 – Jun 2023

- Developed scalable backend systems using Python for over 15 projects, focusing on robust and efficient APIs.
- Engaged with 5 plus team leads and delivery heads to plan and optimize backend 10+ issues.
- Collaborated with team leads to translate 20+ business requirements into elegant code solutions.
- Participated in documenting 20+ technical specifications, promoting a more transparent development environment.
- Developed Python code to evaluate the adherence of UiPath/Automation Anywhere scripts to defined rules.
- Created Python code for 25+ rules with robust test cases, covering 5-10 scenarios per rule for validation.

## SKILLS

Languages and frameworks: Core Python, Pandas, PySpark, Unittest, Flask, SQLAlchemy (ORM)

Databases: MySQL, Cassandra

VCS: Git and GitHub, Azure DevOps

Cloud: Azure Kubernetes Service (AKS), Service Bus, Queue, Azure Container Registry, Blob Storage, VMs

DevOps: Docker (Containerization, Image Optimization), Kubernetes (Deployments, Scaling)

Methodologies: Agile Methodologies, Software Development Life Cycle (SDLC)

Other: API Development (RESTful), Data Extraction, Data Reconciliation, Test Data Management, Data Masking

## PROJECTS

### iTDM (Avo Automation)

Aug 2023 – Present

*Test Data Management Application*

- Developed a test data management solution for seamless connectivity across diverse data sources (SQL, NoSQL, file storage).
- Designed and implemented data masking for security and compliance (GDPR, CCPA).
- Streamlined test data processes and optimized existing applications, resulting in a 20% reduction in data provisioning time and a 15% improvement in overall testing efficiency.

### QuickBots (BOT mantra)

Jul 2022 – Jun 2023

*Data Extraction and Data Reconciliation APIs*

- Developed services including ESI, EPF, and TDS data extraction and reconciliation; Swiggy and Zomato data reconciliation; GSTR2B data reconciliation; generic and custom invoice data extraction; business card data extraction; and an e-invoice generator.
- Completed deployments and managed production and development environments.

### CodeInsight (BOT mantra)

May 2022 – Jun 2022

*Code Grading Application (UiPath / Automation Anywhere)*

- Developed Backend and core functionality for grading UiPath / Automation Anywhere Scripts.

## EDUCATION

### A.M.C. Engineering College

Bangalore, India

*Bachelor of Engineering*

Aug 2015– Jul 2019

Mechanical Engineering - CGPA 7.29