

AISHWARYA KALBURGI

Software Developer | AI Enthusiast | Full-Stack Engineer

aishwaryak151194@gmail.com | LinkedIn | GitHub | Portfolio Website

PROFESSIONAL SUMMARY

Experienced Software Developer with 7+ years across multiple domains including Automation, Cloud Technologies, and Full Stack Development. Currently expanding expertise into Data Science and AI. Customer-obsessed professional with a proven track record of building innovative solutions to solve real-world problems. Eager to learn, grow, and contribute to business success.

PROFESSIONAL EXPERIENCE

Support Engineer II | Amazon

May 2022 - April 2024

- **Amazon Academy:** Implemented functionalities to manage course content bundles (cloning, adding, deleting, and viewing offerings) using Flask, Elastic Search, and DynamoDB, reducing manual workload for content teams
- **Amazon Academy:** Developed validations on daily digest fields using Java and Bash scripting to eliminate delivery of blank/incorrect content
- **Amazon Academy:** Created an automated solution to validate availability of all artifacts (DPP, Classnotes, recordings) for Live Lectures sessions and notify teachers via email using Flask, S3, AppConfig, and IAM
- **Kindle Accounting and Royalty:** Worked on accounting launches and addressed tech debts for Ebooks and Kindle Unlimited business
- Automated generation of Accounting Rollforward reports for Deferred Revenue in Kindle Unlimited using Datanet and Spark
- Developed a new reporting framework for Accounting Aging Reports for KU subscriptions using Datanet, Redshift, AWS CDK, AWS Glue, AWS Lambda, PySpark, and Kotlin
- Resolved financial impact issues of approximately \$1MM resulting from unbooked transactions
- Automated accounting entries for Gift breakage and Unbreakage for Ebooks Gifting and KU subscription gifting using Cradle Job and AWS Glue
- Implemented automated alarm system to detect and alert revenue adjustment failures in bundled purchases (Digital+Physical) using Java

Senior Software Developer | Prodapt

Dec 2021 - April 2022

- Developed a Python-based SNMP query utility for network management and packaged it as a standalone application with PyInstaller
- Replaced file-based approach with API-based approach when directing information to Event Stream Processing (ESP), a component of Assure1
- Gained exposure to Go programming language, Microservices architecture, and network technologies like Assure1

Cloud and Automation Engineer | MicroFocus

Nov 2017 - Oct 2021

- Created a dashboard for Pre-sales data using ELK stack (Logstash, Elasticsearch, Kibana)
 - Developed banking use cases (securitization, demand drafts) and fixed defects for Westpac application
 - Worked with HPE tools (Server Automation, Operations Bridge Manager, Operation Orchestration, vCenter) to automate Linux infrastructure management
 - Automated Workday expense report generation using RPA and UFT (Unified Functional Testing)
 - Contributed to chatbot development for Sungard customer
 - Integrated Netsuite APIs for P2P processing
 - Automated VM resource utilization summary generation using Python
 - Developed functionality for E-bonding between incident management applications
 - Tracked workflow path usage in Operations Orchestration to identify least-used paths
 - Automated daily status report generation for Westpac, providing application performance metrics
-

EDUCATION

Bachelor of Engineering

B V Bhoomaraddi College Of Engineering & Technology | 2013 - 2017 - Developed a college database management system with GUI using Java Swing and MySQL - Implemented an Online Results System using Java and MySQL - Created a hand gesture-controlled game in Unity 3D, integrated with OpenCV - Built an optimized face recognition system using Gabor filter and SVM classifier

Pre-University

Chetan PU College Hubli | 2010 - 2012

PROJECTS

Ice Cream POS Billing Application

Next.js, MySQL, Tailwind, Prisma - Developed a Point of Sale system for managing billing, orders, sales tracking, employee management, analytic dashboard, and coupon handling - Implemented user-friendly interface with robust backend processing and insightful sales analytics - GitHub

Label Lens: A Food Ingredient Analyzer

React Vite, Botpress, Supabase - Created an AI-powered application that analyzes ingredient lists of food products - Provides health ratings, detects potentially harmful ingredients, carcinogens, and preservatives - Enables comparison of up to three products to determine the healthiest option - Live Demo

Daily Karnataka News Highlights AI

Python, Mailchimp, LangChain, crewAI, GitHub Actions - Built an automated news summary system that fetches and delivers the latest news updates about Karnataka - Leveraged CrewAI for research agents, Serper API for web searches, and Mailchimp for email distribution - Deployed on GitHub Actions with Streamlit for the user interface - Live Demo

News Researcher Agent

Python, LangChain, FAISS, RAG - Developed an AI-powered RAG Application to fetch and process article content from URLs - Used LangChain's UnstructuredURL Loader and generated embedding vectors with OpenAI - Indexed content using FAISS for fast and efficient retrieval - Integrated with Gemini LLM for question answering with source citations - Live Demo

TECHNICAL SKILLS

Programming & Frameworks

- Python, JavaScript, TypeScript, Java, MySQL
- React, Next.js, Flask, TailwindCSS
- Object-Oriented Programming
- Data Structures and Algorithms

IT Tools & Technologies

- AWS

- Linux
- ELK Stack (Elasticsearch, Logstash, Kibana)
- Git
- HCM(Hybrid Cloud Management)
- Operation Orchestration (Workflow Automation Tool)

AI/ML Tools

- PyTorch
- Hugging Face
- LangChain
- crewAI
- n8n