ASHIL MASCARENHAS

Bengaluru, India

+91 7892805247 | ashilmascarenhas@gmail.com | Portfolio | GitHub | LinkedIn

SUMMARY

Engineering Analyst skilled in developing software solutions for fast-paced, real-world applications. Experienced in full-stack web technologies, cloud-native infrastructure (AWS, Azure), and financial logic. Spearheaded development of scalable, low latency systems with measurable impact on efficiency and automation.

EDUCATION

Manipal Institute of Technology   *Bengaluru, India*

B.Tech in Computer Science – Artificial Intelligence   07/23 – 07/27 (Expected)

EXPERIENCE

Deloitte Australia (Forage) | View Certificate

Technology Job Simulation – Software Development Intern   06/25

- Simulated a client-facing tech role: reconciled data and proposed a dashboard-based application solution.
- Mapped out a detailed software development lifecycle from requirements gathering to deployment and iterative improvements, identifying 12 key data structure optimizations that accelerated processing speed.
- Applied Python and formal planning methods to translate business needs into actionable design decisions.

PROJECTS

Library of Thoughts Platform | GitHub · Live-Demo

- Built a MERN-based platform organizing 1000+ spiritual records, cutting manual effort by 80% using structured data and cloud automation.

Billing Web App (Auto Repair) | GitHub · Live-Demo

- Developed a MERN billing app replacing manual workflows - reduced errors by 90%, boosted speed.

AWS Serverless URL Shortener | GitHub · Live-Demo

- Serverless app using Lambda, API Gateway, DynamoDB for fast link handling and analytics.

Weather App (Front End + API) | GitHub · Live-Demo

- Created responsive UI with live weather data using open APIs.

CI/CD Pipeline Integration using GitHub Actions and Docker| GitHub · Live-Demo

- Implemented a CI/CD pipeline using GitHub Actions and Docker to automate testing, building, and deployment of a full-stack web application - reduced latency by 30%.

SKILLS

Languages: JavaScript, Python, Node.js, C++, Bash

Cloud/Infra: AWS (Lambda, S3, EKS), Azure, Docker, GitHub Actions, Terraform

Frameworks: React.js, Express, Flask, Django

Databases: MongoDB, PostgreSQL, MySQL, Oracle

Core: Financial Engineering, Machine Learning, Risk Management, Big Data, Software Application Architecture

Soft Skills: Strategic Thinking, Creative Problem Solving, Time Management, Planning, Communication, Collaboration.

CERTIFICATIONS

- **IBM Full Stack Software Developer** | View Professional Certificate