

Aswin V M

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SUMMARY

A passionate Software Engineer with expertise in Python, Java and cloud technologies. Proven track record in system architecture design, risk mitigation, and delivering scalable, high-performance applications. Strong background in web development, machine learning, and data analysis.

TECHNICAL SKILLS

Programming Languages: Python, Java, SQL, Shell scripting

Machine Learning & Data Science: NumPy, Pandas, Scikit-learn, Seaborn, OpenCV

Tools & Frameworks: Docker, GIT, AWS, Jira, Microsoft Excel, Power BI

PROJECTS

Neulmager

2024 – 2025

Gel Imaging device

Python, OpenCV, Shell script, Docker

- Developed a user-friendly GUI with Python Kivy framework
- Integrated real-time gel image capture, reducing retrieval time by 50%
- Enabled seamless connectivity through Wi-Fi integration

Truheart

2023 – 2024

Cardiac arrest detection device using ML

Python, OpenCV, AWS S3, Pandas, Docker, Ms Excel

- Developed a GUI integrated with camera and WiFi management system using PysimplGUI framework
- Evaluated and implemented image data collection protocols
- Enhanced data analysis precision, increasing ROI detection accuracy by 40%

Anti-Phish

2021 – 2022

ML based tool for detection and prevention of phishing websites

HTML, CSS, PHP, Python, Scikit-learn, MySQL

- Conducted research on mitigation strategies against the phishing attacks
- Built a phishing detection system with 90% accuracy using Random Forest
- Integrated a user-friendly interface for seamless interaction

EXPERIENCE

System Engineer

Jan 2023 – Present

Neuome Technologies

Bengaluru, India

- Designed and architected scalable system architectures
- Implemented risk mitigation strategies, reducing critical project risks by 50% and ensuring on-time project delivery.
- Documented and presented findings at weekly research meetings

Intern web developer

Apr 2018 – May 2018

KELTRON

Kochi, India

- Planned and designed responsive UIs using HTML, CSS, and JavaScript
- Collaborated with cross-functional teams in server-side logic development

EDUCATION

APJ Abdul Kalam Technological University

Bachelor of Technology in Computer Science

Ernakulam, India

Aug 2017 – June 2021

CERTIFICATIONS

- Machine Learning with Python
- Complete Python Developer in 2023: Zero to Mastery
- Introduction to CBAP
- Introduction to Devops Tools
- DevOps 101: What is DevOps?