Aswin V M

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SUMMARY

A passionate software engineer with experience in Python, Java and cloud technologies. Proven track record in system architecture design, risk mitigation, and delivery of 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, SciPy, Seaborn, OpenCV

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

PROJECTS

NeuImager   2024 – 2025
Gel Imaging device   *Python, OpenCV, Shell script, Docker*
- Built a Python Kivy GUI with real-time gel image capture, cutting retrieval time by 50%.
- Integrated Wi-Fi for seamless connectivity.

Truheart   2023 – 2024
Cardiac arrest detection device using ML   *Python, OpenCV, AWS S3, Pandas, Docker, Ms Excel*
- Developed a PySimpleGUI-based GUI with camera and Wi-Fi management.
- Implemented image data collection protocols, enhancing analysis precision and 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*
- Researched mitigation strategies for phishing attacks.
- Developed a phishing detection system with 90% accuracy using Random Forest and a user-friendly interface.

EXPERIENCE

System Engineer   Jan 2023 – Present
Neuome Technologies   *Bengaluru, India*
- Developed scalable software solutions, proactively addressed technical risks to improve system stability and ensure timely delivery, and communicated key insights in technical discussions.

Data Analyst (Freelance)   Aug 2022 – Dec 2022
Nelise Freelancers   *Thrissur, India*
- Leveraged data, automation, and ML to enhance business and hiring efficiency.

Intern web developer   Apr 2018 – May 2018
KELTRON   *Kochi, India*
- Designed responsive UIs and collaborated on server-side development.

EDUCATION

APJ Abdul Kalam Technological University   Ernakulam, India
Bachelor of Technology in Computer Science   *Aug 2017 – June 2021*

CERTIFICATIONS

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