

AMAL K.V

SOFTWARE ENGINEER

Thrissur, Kerala, India

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PROFESSIONAL SUMMARY

Results-driven and innovative **Software Engineer** with hands-on experience in designing, developing, and deploying robust **AI** and **ML** solutions. Proficient in **Python** and frameworks like **Django** and **Flask**, with a strong foundation in **Predictive Modeling** and **Statistical Analysis**. Adept at transforming complex datasets into actionable insights through advanced **Data Analysis** and **Data Visualization** techniques. Proven ability to architect and implement scalable applications from concept to **Model Deployment**, driving business growth and innovation.

CORE SKILLS

- **Programming & Frameworks:** Python, Django, Flask, HTML, CSS, JavaScript, MERN Stack, Android Studio, Java
- **Machine Learning & Data Science:** ML, AI, Deep Learning, Predictive Modeling, Algorithms, Data Structures, Computer Vision, Statistical Analysis
- **ML Libraries & Tools:** TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebook
- **Database & Data Management:** SQL, MySQL, Database Optimization, Data Warehousing, Data Pipelines, ETL Processes, Data Governance, Data Integrity

WORK EXPERIENCE Software Engineer

RISS TECHNOLOGIES | 06/2023 - Present

- Developed and deployed predictive models using Scikit-learn, improving sales forecasting and inventory accuracy by **25%**.
- Achieved **98% accuracy** in a facial recognition security system with advanced Computer Vision using TensorFlow & PyTorch.
- Built an AI-powered recommendation engine, boosting user engagement for e-commerce platforms.
- Automated data processing pipelines to streamline dataset cleaning and model training workflows.
- Integrated ML models into existing products through cross-functional collaboration, ensuring smooth deployment and performance.

Associate

ASIANET SATELLITE COMMUNICATION LTD | 05/2022 - 05/2023

- Surpassed quarterly sales targets by 15% through effective communication and customer service.
- Resolved **50+** customer queries per day, improving satisfaction scores by **20%** in six months.
- Strengthened client relationships, contributing to a **10%** increase in customer retention.
- Analyzed customer feedback and provided insights for service improvements and strategic decisions.

EDUCATION

Bachelor of Computer Application | KERALA UNIVERSITY | 2019 - 2022

LANGUAGES

English | Malayalam