

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, Andriod Studio, Java
- **Machine Learning & Data Science:** Machine Learning (ML), Artificial Intelligence (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

- Engineered and deployed a **Predictive Modeling** system using **Scikit-learn** that forecasted sales trends, **improving inventory management accuracy by 25%**.
- Achieved a **98% accuracy rate** in a facial recognition security system by implementing advanced **Computer Vision** algorithms with **TensorFlow** and **PyTorch**.
- Spearheaded the design and implementation of an **AI**-powered recommendation engine, enhancing user engagement and personalization for e-commerce platforms.
- Automated data processing pipelines, which cleaned and prepared large datasets for **Data Analysis**, significantly increasing the efficiency of model training workflows.
- Collaborated with cross-functional teams to integrate **Machine Learning** models into existing products, ensuring seamless **Model Deployment** and functionality.

Associate

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

- **Exceeded quarterly sales targets by 15%** by effectively communicating product benefits and providing exceptional customer service.
- Resolved an average of **50+ customer inquiries daily**, leading to a **20% improvement in customer satisfaction scores** within the first six months.
- Cultivated strong client relationships through proactive communication and advisory, contributing to a **10% increase in customer retention**.
- Analyzed customer feedback to identify service improvement opportunities, providing key insights to the management team for strategic planning.

EDUCATION

Bachelor of Computer Application | KERALA UNIVERSITY | 2019 - 2022

LANGUAGES

English | Malayalam