ALBY M BIJU
SOFTWARE DEVELOPER

albymbiju2002@gmail.com | linkedin.com/in/albymbiju
github.com/albymbiju1 | albymbiju.me
Mundattu(H), Edamattom (P.O), Kottayam, Kerala, 8078534918

PROFILE

As a dedicated MCA student with hands-on experience in software development, I aim to contribute to cutting-edge technology solutions, refine my technical and analytical skills, and grow into a well rounded software developer.

TECHNICAL PROFICIENCY

Programing Languages : **Python, Java, C**

AI/ML Tools & Libraries : **NumPy, Pandas, Scikit-learn, Matplotlib, TensorFlow, Google Colab**

Development Tools : **Jupyter Notebook, GitHub, AWS, GCP**

Web Technologies : **HTML, CSS, JavaScript, React**

Databases : **MySQL , MongoDB**

EDUCATIONAL QUALIFICATION

Master of Computer Applications | MCA
Amal Jyothi College of Engineering, Kanjirappally
Bachelor of Computer Applications| BCA
St. George College Aruvithura, Erattupetta

PROJECT EXPERIENCE

SmartJewel – Jewellery Retail System| PG Project

Designed a Smart Jewellery Retail Platform using Flask and React, featuring real-time gold price prediction, AI-driven recommendation system, and dynamic pricing algorithms. Integrated Razorpay API for secure transactions and MongoDB for scalable data management.

RFID Based Inventory Monitoring System| IOT Project

Developed an IoT-based inventory management and tracking system using ESP32, RC522 RFID, and Flask for real-time asset monitoring, data synchronization, and dashboard visualization. Integrated RFID authentication with cloud-based storage for seamless and scalable inventory control.

LMS – Learning Management System | PG Project

Developed a comprehensive Learning Management System using PHP and MySQL, featuring course management, assignment submission with file uploads, automated quiz grading, and discussion forums. Implemented robust security with password hashing, SQL injection prevention, and role-based access control.

Personal Portfolio Website| Portfolio Project

Developed a responsive, terminal-themed portfolio using React, TypeScript, Framer Motion, and Tailwind CSS, featuring smooth animations, reusable UI components, and a Nodemailer-integrated contact form for seamless communication.

INTERNSHIP EXPERIENCE

Wahy Lab Solutions |Cyber Security Intern | Kochi

Conducted vulnerability assessments and penetration testing on internal systems. Supported risk analysis documentation, improving understanding of AI-driven security solutions.

Riss Technologies | Software Development Intern | Kochi

Collaborated on an e-learning application using Python and Android Studio. Developed interactive user interfaces and assisted in backend API integration and testing.

CERTIFICATIONS

NPTEL Certification: **Human Computer Interaction, Cloud Computing**

Workshops: **Cybersecurity, Google Colab (ML), Microservices, Microsoft Azure**

Hackathon: **NASA Space Apps Challenge**

LANGUAGES

English | Malayalam | Tamil