ASWIN CHACKO

SOFTWARE ENGINEERING GRADUATE

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SUMMARY

Passionate Software Engineer currently pursuing Integrated MCA (graduating in 2026), with strong foundations in algorithms, data structures, and full-stack development. Experienced in building scalable web applications and microservices using React, Node.js, Python, and Docker. Actively seeking a Software Engineering Internship to apply and grow my skills in distributed systems, ML, and backend development.

SKILLS

- **Programming Languages:** Python, Java, JavaScript, C, C++
- **Web Development:** React.js, Node.js, Express.js, HTML5, CSS3, PHP
- **Database Technologies:** MongoDB, MySQL
- **Concepts:** Data Structures, Algorithms, Software Design, OOP, REST APIs
- **Soft Skills:** Team Collaboration, Leadership, Self-paced Learning, Resilience
- **Tools:** Git, Docker, Postman, Firebase
- **Environments:** Unix/Linux

PROJECTS

PathWise – Personalized Learning & Roadmap Engine (Ongoing)
Tech Stack: React.js, Firebase Auth, MongoDB, Node.js, Python (Flask, FastAPI)
- Building a MERN-based dashboard with Flask and FastAPI microservices.
- Designed to help students track learning progress and set personal goals.
- Added features like internships, goal tracking, and peer collaboration.
- Integrated Firebase Auth for secure login and MongoDB for data management.

Freshire Management App (Dec 2024 – May 2025)
Tech Stack: React.js, MongoDB, Node.js
- Designed for Freshire, a student-led tech community focused on learning and collaboration.
- Built features for structured project management, role assignment, and team coordination.
- Developed using the MERN stack for scalability and responsive performance.

Mini Exploratory Data Analysis Tool (June 2025 – July 2025)
Tech Stack: Flask, Pandas, Matplotlib, Docker, FPDF
- Developed a web-based tool to analyze user-uploaded CSV datasets.
- Generated visual insights using Matplotlib (heatmaps, bar plots).
- Built the backend with Flask for data processing and report generation.

Freelancer Scam Detector (ScamShield) (June 2024 – July 2025)
Tech Stack: FastAPI, Python, Logistic Regression, Docker, React.js
- Built a scalable microservice using FastAPI to detect scam job listings.
- Applied NLP techniques with CountVectorizer and Logistic Regression for prediction.
- Containerized the full application using Docker for easy deployment.

EDUCATION

Integrated MCA
Amal Jyothi College of Engineering (Autonomous), Kanjirappally
CGPA: 8.24 • Expected Graduation: 2026
Relevant Courses: Data Structures, Algorithms, Operating Systems, Machine Learning,
Software Engineering

Senior Secondary Education
St. Thomas Higher Secondary School, Pala, Kerala
Directorate of Higher Secondary Education • Passed in 2019 • 90%

Higher Secondary Education
Jyothi Public School, Paika, Kerala
Central Board of Secondary Education • Passed in 2019 • 73%

EXPERIENCE

Co-Founder, Freshire
Student Freelancing Platform
Nov 2024 – Present
- Led a student team to build Freshire, gaining leadership and platform management experience.
- Marketed digital services, managed outreach, and coordinated real-world freelancing tasks.

Web Designer & Backend Developer
Freelance (Self-employed)
Jun 2022 - Oct 2024
- Delivered scalable full-stack web solutions using Node.js and Express.
- Designed databases, implemented authentication, and deployed applications with client-focused scalability.

Social Media Content Creator
Personal Branding
Jan 2023 - Present
- Built a tech-focused personal brand around freelancing and student growth.
- Used marketing psychology and storytelling to grow to 35K+ followers in 2.5 months.
- Created viral reels (1M+ views) and fostered a loyal, engaged community of aspiring freelancers and learners.

CERTIFICATIONS & ACHIEVEMENTS

Certified in Microservices Architecture – Hands-on Workshop
Amal Jyothi College of Engineering Autonomous (Jun 2025)

Resource Person – MERN Stack Development Workshop
Amal Jyothi College of Engineering Autonomous (Jun 2025)

Data Analytics Domain Expertise Workshop - SQL, EDA, and Visualization
Amal Jyothi College of Engineering Autonomous (Jun 2025)

Student Volunteer – NASA Space Apps Challenge 2024
Kanjirapally Edition