

Fayez Muhammed

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SUMMARY

Highly motivated Computer Science engineering student with strong foundation in full-stack development, data analytics, and software engineering principles. Experienced in building end-to-end digital solutions using MERN, Python, and modern development practices. Detail-oriented, collaborative, and quick to adapt—driven by curiosity and passionate about applying technology to solve real business problems.

EDUCATION

APJ Abdul Kalam Technological University <i>Bachelor of Technology in Computer Science and Engineering</i> <i>CGPA: 8.58 (up to Semester 6th)</i>	Kerala, IN Nov 2022 – Apr 2026
Kerala Board of Higher Secondary Education <i>Higher Secondary Education, Biology Science</i> <i>Grade: 98.25%</i>	Kerala, IN Jun 2019 – May 2021

EXPERIENCE

ICT Academy of Kerala <i>Artificial Intelligence and Machine Learning Intern</i> – Applied ML algorithms including Linear/Logistic Regression, SVM, Decision Trees, Random Forest, and K-Means on real-world datasets. – Performed data cleaning, feature engineering, model evaluation, and hyperparameter tuning using Python and scikit-learn. – Developed end-to-end ML workflow including preprocessing, model building, visualization, and documentation. – Collaborated in an academic-industry environment, strengthening analytical thinking and problem-solving.	Kerala, IN June 2025 – July 2025
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PROJECTS

Flight Fare Prediction <i>Python, Machine Learning, Data Analytics</i> – Built an end-to-end ML model to predict airline ticket prices using regression algorithms on real-world datasets. – Performed data cleaning, feature engineering (days left, duration), encoding, and scaling to improve performance. – Evaluated models using RMSE, MAE, and R^2 ; visualized trends using heatmaps and scatter plots. – Designed a reusable ML pipeline demonstrating strong analytical and data-processing skills.	Jun 2025 – Jul 2025
Digital Library Management System <i>MERN Stack</i> – Developed a full-stack system enabling book issuance, returns, and admin workflows. – Implemented secure authentication using JWT, bcrypt hashing, and role-based access control. – Built responsive UI with React.js and Tailwind CSS following clean component-based architecture. – Applied SDLC practices including requirement gathering, unit testing, and Git-based version control. – Added automated “No Due Certificate” generation to reduce manual effort for institutions.	Jan 2025 – Apr 2025
Membership ID Portal <i>Full-Stack Development</i> – Developed a secure Membership Management System supporting member onboarding, renewals, and ID generation. – Built end-to-end functionality including JWT authentication, user roles, and automated email notifications. – Gathered requirements, performed functional testing, and deployed using SDLC and Agile practices.	

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript
Web & Frameworks: MERN Stack (MongoDB, Express, React, Node.js)
Databases: SQL, MongoDB
Tools: Git, Postman, VS Code
Concepts: SDLC, Agile, REST APIs, Testing fundamentals, Data preprocessing, Cloud basics
Soft Skills: Collaboration, curiosity-driven learning, detail-oriented approach, adaptability, problem-solving mindset
Relevant Coursework: Data Structures, Operating Systems, DBMS, Software Engineering, Computer Networks, AI & ML Foundations, Cloud Computing