Edwin George Shaji

Aspiring Software Engineer

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SUMMARY

Computer Science student passionate about Artificial Intelligence, Quantum Computing, and emerging technologies. Experienced in prototyping applications using Python and modern developer tools to translate core concepts into functional projects.

EDUCATION

Amal Jyothi College of Engineering 09/2024 – Present | Kottayam, Kerala, India
B.Tech in Computer Science and Engineering
CGPA: 8.37 / 10.0

St. Joseph's Boys' Higher Secondary School 06/2022 – 03/2024 | Kozhikode, Kerala, India
Higher Secondary Education
Score: Full A+

SKILLS

Programming Languages: C, Python, Java, SQL

Web & Frameworks: HTML5, CSS3, JavaScript, React, Node.js, Tailwind CSS, Qiskit

Tools & Platforms: Git, GitHub, Linux, MySQL

EXPERIENCE

Secretary, *ACM AJCE Student Chapter* 07/2026 – Present | Kottayam, Kerala, India
Managed executive committee operations and organized technical workshops and gaming tournaments, engaging 300+ students.

Gemini Campus Ambassador, *Google Gemini* 04/2026 – 09/2026 | Kottayam, Kerala, India
Conducted 6+ workshops, executed online marketing campaigns, and led student outreach initiatives, engaging 100+ students in Google Gemini and generative AI.

Student Intern, *Infosys Springboard* 09/2025 – 02/2026 | Remote
Developed PaperIQ, an AI-powered research assistant integrating the Gemini and document parsing to summarize and compare research papers.

Summer Intern, *NeST Technologies* 05/2026 – 05/2026 | Ernakulam, Kerala, India
Applied Python and Kaggle Jupyter Notebooks to explore datasets, perform data analysis, and gain practical experience in Data Science.

PROJECTS

FOVEA-NET: Adaptive 2.5D LiDAR Mapping, *Team Lead | Smart India Hackathon 2026*
- Led a 6-member team to win college-level SIH 2026 selection by architecting an attention-driven 2.5D elevation mapping system and engineering an interactive 3D web prototype with Three.js.

Q-Site: Hybrid Quantum Resource Allocation for Microgrids,
Finalist | Global Industry Challenge 2026 & QHack India 2026
- Formulated a 6-variable QUBO solved via QAOA on IBM Quantum hardware (ibm_kingston), reducing unsafe-voltage incidents by 10% across 13 grid outage scenarios validated with pandapower.

MeetLite, *Python-Based Desktop Video Conferencing Application*
- Developed a Python-based desktop video conferencing application using TCP for room signalling and UDP for real-time audio and video transmission.

CERTIFICATIONS

- Data Structures and Algorithms using Java (Elite) | NPTEL
- Database Management Systems (Elite) | NPTEL
- Cloud Foundations | AWS Academy
- Qiskit Global Summer School 2025: Quantum Excellence | IBM Quantum