

# Steve Alex

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## EDUCATION

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### Amal Jyothi College of Engineering

*Bachelor of Technology in Computer Science Engineering (CGPA 7.91)*

Kanjirapally, Kerala

2021 – Present

### Our Own English High School Boys Branch

*Science with Computer Science (CGPA 9.35)*

Sharjah, UAE

2020 – 2021

## EXPERIENCE

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### Treasurer

*IEEE Student Branch, Amal Jyothi College of Engineering*

March 2024 – Present

*Kanjirapally, Kerala*

- Managed multiple technical and non technical events like *Eventure 2.0*
- Handled the accounts for all student activities
- Contributed to the overall financial planning and health of the organization

## ACHIEVEMENTS

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### Cybersecurity Challenges and Solutions in Edge Computing for IoT | *Research*

- \* Published in Proceedings in National Conference on Emerging Research Areas Volume 04 Issue 01

## PROJECTS

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### Toxiscan | *Python, Flask, HTML/CSS, JavaScript, Tesseract, Firebase, Ollama, LangChain*

- \* Developed a full-stack web application using Flask with HTML/CSS and JavaScript in the frontend
- \* Implemented optical character recognition to read ingredient labels using Tesseract
- \* Used Ollama and LangChain to generate personalized nutritional advice for specific ingredients
- \* Used Firebase Authentication and RealTime Database for user authentication and profiles

### Reparo | *HTML/CSS, JavaScript, Bootstrap*

- \* Developed a website for an electrical services business to simplify their CRM process

### Malankara Tea Company | *Shopify, Liquid*

- \* Developed an ecommerce website for a tea company
- \* Used Liquid to finetune storefront templates
- \* Implemented payment gateway using Shopify plugins

## TECHNICAL SKILLS

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**Languages:** Python, C/C++, Java, MySQL, JavaScript, HTML/CSS

**Frameworks:** React, Node.js, Flask, Shopify

**Developer Tools:** Git, Google Cloud Platform, VS Code, Visual Studio, Langchain, Ollama, Firebase

**Libraries:** pandas, NumPy, Matplotlib

**Certifications:** Oracle Java Foundations, Oracle Database Foundations