

# Albi Mathews

Kavada veedu, Peringanadu po ,Adoor

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## Professional summary

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Engineering graduate with expertise in software development, machine learning, and large language models. Skilled in Python, SQL, and full-stack web technologies, with experience in building scalable applications and integrating APIs. Recognized for high productivity as a Python Developer Intern, specializing in data analysis and AI-ML solutions. Strong problem-solving and teamwork skills enhance project outcomes and collaboration.

## Personal information

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- Nationality: Indian
- Gender: Male
- Place: Adoor
- Date of birth: 08-03-2003

## Skills

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|----------------------|---------------------|------------------|-----------------------|-----------------------------|-------|-----------------|
| Python               | C programming       | Machine learning | FullStack development | Html                        | Css   | Debugging       |
| Data structures      | Database management | MySQL            | Postgresql            | Object oriented programming |       |                 |
| Frontend development | Backend development | Git              | LLM                   | Model training              | CI/CD | Api integration |
| Model development    | Model evaluation    |                  |                       |                             |       |                 |

## Experience

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### Space.ai

Machine learning intern

August- 2025

- Developed and integrated AI models with web applications, focusing on API construction and data pipeline management.
- Assisted in creating predictive models utilizing machine learning algorithms.
- Conducted data preprocessing and cleaning to ensure high-quality datasets
- Supported implementation of machine learning tools and frameworks to enhance project efficiency

### Inmakes infotech

FullStack developer intern

Feb-2025 - May-2025

- Gained hands-on experience in web development using Python, Django, PostgreSQL, HTML, and CSS
- Integrated APIs to enhance functionality and improve data management capabilities

### Lcc

Software developer intern

Nov-2024 - Feb-2025

- Utilized modern tools such as VS Code for development and deployment tasks.
- Developed software features using Python programming language to enhance functionality

## Education

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| <b>A.p.j Abdul Kalam Technological University</b><br>Bachelor of technology<br>8.13 Sgpa | 2021-2025 |
| <b>G.g.h.s.s Adoor</b><br>Biology Science<br>91.25%                                      | 2019-2021 |
| <b>C.b.m.h.s.s.</b><br>Sslc<br>95%   | 2019      |

## Project

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| <b>Construction defect evaluator</b><br>Built an AI-powered web app using YOLOv8 and a custom-trained LLM to detect construction defects from images and generate structured reports.  |
| <b>Ai based mock interview Evaluator</b><br>Developed an AI-powered mock interview evaluator that analyzes candidate responses using speech and emotion recognition to provide real-time feedback. Integrated NLP and computer vision for a more interactive interview experience.   |
| <b>Heart disease monitor</b><br>Heart Disease Monitor is a health monitoring system that uses predictive analytics and machine learning models to assess the risk of heart disease based on patient data. It provides early warnings and actionable insights, enabling proactive medical intervention and improved patient outcomes. |
| <b>Blockchain integrated voting system</b><br>Implemented a blockchain-based voting system using Ethereum to enhance security and transparency. Enabled tamper-proof vote recording through smart contracts and decentralized validation.  |
| <b>Automated attendance registry using face recognition</b><br>Created an automatic attendance system using OpenCV integrated with CCTV cameras to detect and log student presence. Improved accuracy and reduced manual intervention in attendance tracking.  |

## Language

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- English
- Malayalam
- Hindi

## Volunteer

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| <b>National Resource Protection Force</b> |
| <b>National Service Scheme</b>            |
| <b>Blood Donation Society</b>             |