



Aldrin J Thomas

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ABOUT ME

Tech enthusiast passionate about leveraging technology to solve complex problems. Eager to collaborate with like-minded individuals to expand knowledge and experience in the tech industry

WORK EXPERIENCE

Divine Retreat Ashram – Faridabad, India

City: Faridabad | Country: India

System Administrator and Technician

[07/2023 – 09/2024]

- Revitalized and managed the media wing, streamlining operations and enhancing content delivery.
- Upgraded network infrastructure, improving connectivity, speed, and system reliability.
- Developed and maintained the organization's website and server, ensuring optimal uptime, security, and performance.
- Implemented innovative technologies to reduce operational delays and maximize workflow efficiency.

Sony A/c Pvt. Ltd. – New Delhi, India

City: New Delhi | Country: India

Manager

[08/2023 – 09/2024]

- Designed and implemented optimized operational systems, significantly reducing process delays and improving workflow efficiency.
- Managed client relationships, delivering exceptional service that contributed to increased sales and customer retention.
- Supervised and guided employees to maximize productivity, maintain quality standards, and achieve performance targets.
- Streamlined financial processes, enhancing accuracy, transparency, and cost control across operations.

Christ College Of Science and Management – Bengaluru, India

City: Bengaluru | Country: India

System Administrator

[2022 – 2023]

- Delivered reliable maintenance and troubleshooting for computer hardware, software, and peripherals, reducing downtime and ensuring seamless operations.
- Installed, configured, and upgraded hardware, operating systems, and enterprise applications to improve system efficiency and user productivity.
- Monitored and optimized system and network performance, proactively resolving issues to maintain consistent service availability.
- Administered user accounts, permissions, and access controls in line with security protocols, strengthening data protection and compliance.

Hailstone Technology – Coimbatore, India

City: Coimbatore | Country: India

Intern

[04/2022 – 05/2022]

- Developed dynamic and responsive websites using PHP, enhancing functionality and user experience.
- Designed and implemented full-stack web applications, integrating front-end interfaces with robust back-end systems.
- Managed and maintained server-side environments, ensuring optimal performance, security, and uptime.

EDUCATION AND TRAINING

Masters in Applied Computer Sciences

SRH Hochschule Heidelberg [10/2024 – Current]

City: Heidelberg | Country: Germany | Website: <https://www.srh-hochschule-heidelberg.de/>

Bachelors's in Computer Application

Christ College Of Science and Management [2019 – 2022]

Address: 563160 Malur (India) | Website: <https://www.christcollegemalur.com/>

- Organizer and Chief Student coordinator for Login '22 (Inter-collegiate tech feast).
- Captained the College Basketball team.
- Started and named a College band called 'CADENCE' and was one of the initial members of it.
- Was the student representative for 3 consecutive years.

XII (Higher Secondary)

St. Columba's School [2019]

Address: 110001 New Delhi (India) | Website: <https://www.stcolumbas.edu.in>

- Member of the Just ED Society (Centre for social service).
- Defender and Mid-fielder in School Football team.
- Was awarded with the Chatterjee Award for scoring the highest in school in Informatics Practices.

X (Secondary)

St. Columba's School [2017]

Address: 110001 New Delhi (India) | Website: <https://www.stcolumbas.edu.in>

PROJECTS

Speech Emotion Detection using AI

A scientific and comparative study of machine learning and deep learning techniques for the purpose of identifying human emotions from speech. This project implements, evaluates, and compares three distinct models, demonstrating a deep, practical understanding of audio signal processing and model selection.

Energy Optimisation using AI

An intelligent, data-driven system designed to optimize home energy consumption. It provides real-time, actionable recommendations to users, aiming to reduce electricity costs and maximize the utilization of renewable energy by aligning appliance usage with favorable grid pricing and weather conditions

YoloEats: AI-Powered Food Technology Platform

YoloEats is a sophisticated, full-stack mobile application that acts as an intelligent food companion. It leverages a state-of-the-art microservices backend and a cross-platform mobile frontend to provide users with personalized dietary insights, allergy alerts, and product recommendations through advanced AI-driven scanning and analysis.

2D Adventure Game Development

Created an engaging 2D side-scroller adventure game inspired by the popular anime *Naruto* using the Godot Engine. Focused on immersive gameplay mechanics, visually appealing design, and optimized performance, delivering a polished gaming experience.

Chatter Haus-Performance Analysis Chat Application

Developed a chat application to evaluate and compare the performance of Google App Engine and Google Kubernetes Engine. Leveraged Rust and Axiom for backend processing, Vite.js for a responsive frontend, and Artillery.io for comprehensive load testing. Conducted detailed performance benchmarking under heavy traffic to provide actionable insights into cloud platform scalability and efficiency.

E-commerce Platform Development

Collaborated on the development of a robust e-commerce platform leveraging Rust for backend efficiency, Next.js for a dynamic frontend, and Axiom for seamless data handling. Delivered a scalable and high-performance solution with modern web technologies, ensuring an intuitive user experience.

Polyglot-Language translation Chat application

Polyglot is a powerful and user-friendly tool designed to facilitate seamless communication across language barriers using Python and an open-source text translation model. It leverages advanced language processing and translation technologies to enable real-time translation of conversations between users speaking different languages. It has an easy-to-use interface that anyone can operate without any prior training.

Login-College Techfest website

Login is the biggest Tech event held in our college that is hosted by the department of computer science annually. A website was created with the motive of promoting the event using HTML and JavaScript, the website also helped in participant registration, resolving of queries and providing more information about the upcoming events.

MapGo-Package delivery and tracking application

MapGo is a application that manages everything from the tracking of a delivery package to any form of redressal. It gives a seamless interface between 3 users, client, seller and the delivery partner using open-source maps and tracking systems. It also provides real-time tracking of packages as well as a chat window between all three users.

SKILLS

Programing Languages

Java / Rust / Python / JavaScript / C++ / C / HTML / PHP

Graphic Designing

Adobe Photoshop / Adobe Illustrator / Adobe InDesign / Adobe Lightroom

Technologies

Web Development / Full-Stack Development / AI/ML / Microservices / Cloud Platforms

System Administration

Network and Server Management / Performance Tuning / Security / Troubleshooting

LANGUAGE SKILLS

Mother tongue(s): English

Other language(s): German | Hindi

RECOMMENDATIONS

Name: Fr. Jince George CMI | Principal (Christ College of Science and Management)
Email: principal@christcollegemalur.com | **Phone number:** (+91) 6383361020

Name: Fr. Ebin V Frances CMI | Vice-Principal (Christ College of Science and Management))
Email: ebinvf@christcollegemalur.com | **Phone number:** (+91) 9361250804

Name: Ms. S. Athilakshmi | Head, Computer Science (Christ College of Science and Management))
Email: athilakshmi.s@christcollegemalur.com | **Phone number:** (+91) 7676355366

Name: Mr. Anuraj A. | Professor, Computer Science (Christ College of Science and Management))
Email: anuraja@christcollegemalur.com | **Phone number:** (+91) 8921230782