

ZANE FERNANDES

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EDUCATION

Third Year Of Bachelors of Engineering (BE) in Computer Engineering

Fr.Conceicao Rodrigues College of Engineering.

Graduating 2026

Honors in Data Science

CGPA 8.26

EXPERIENCE

Python and Django Backend Intern (On-Site)

May 2024 - July 2024

Xircls (Decentralized Marketing Firm)

Mumbai, India

- Configured and ran MySQL databases in Docker containers, optimizing database performance and ensuring secure connections between services.
- Developed RESTful APIs using Django and integration with third-party services.

ACCOMPLISHMENTS

- **1st Place** - Crescendo CRCE 2024 Offline Hackathon.
- **1st Place** - Alcoholic 1.0 Competitive Coding Contest.
- **3rd Place** - Ingenium 2023 Software Contest.

SKILLS

Programming Languages: C++, Bash, Typescript, Python, Lua.

C++ Ecosystem: Extensive experience with C++ including libraries like Boost, and build tools such as CMake, Ninja.

Web Development: Next.js, React.js, Tailwind CSS, Prisma ORM, Django.

App Development: Kotlin, QT framework.

Database: PostgreSQL, MariaDB.

Cloud Platforms: Vercel, Azure, Google Cloud.

Containers/Virtualization: Building docker images and docker compose services.

Dev Tools: Arch Linux, Postman, Docker, QT Creator, Neovim.

Open Source Contributions: Active Arch Linux User Repository (AUR) Package Maintainer.

PROJECTS

Android App For Fire Safety Association of India (FSAI)

2023

- Developed in Kotlin Multiplatform with a Firebase-hosted backend.
- App deployed on the playstore.
- Contains fire safety ratings for over 300 Ganesh Mandals.

Lowkey - Smart Battery Daemon

2024

- Built a sleek and efficient battery notification daemon for Linux systems, written in C++ and built using CMake.
- Provides real-time battery status monitoring, low battery notifications, and customizable thresholds while being resource-efficient.

Chrome Browser Extension for NLP Analysis of Amazon Products

2024

- Designed to provide credible analysis of Amazon products based on their reviews using NLP.
- Developed using TypeScript, React, and an AI backend hosted on Azure.
- Winning project of Crescendo 2024 Offline Hackathon.

LEADERSHIP

Google Developer Student Clubs (GDSC)

June 2023 - May 2024

Web Development Associate

- Organized "Bit N Build" -24 hours Offline National Level Hackathon in our college.
- Managed GitHub repositories for club projects, setting up CI/CD pipelines and ensuring code quality through code reviews.

Google Developer Student Clubs (GDSC)

August 2024 - Present

Technical Lead

- Collaborated with a team of developers to build and maintain the college's official website,
- Organized "Bit N Build 2024" -24 hours Offline National Level Hackathon in our college.