Alan Derwin A

+91-7353760263 *|* [alandervin29@gmail.com](mailto:x@x.com) *|* [LinkedIn](https://www.linkedin.com/in/alanderwin29/) *|* [GitHub](https://github.com/Dervin29)*|* [Portfolio](https://alan-portfolio-05.netlify.app/)

# Education

**St Joseph’s University** Bangalore, Karnataka

*Master of Science: Computer Science Aug. 2022 – Present*

**St Joseph’s College (Autonomous)** Bangalore, Karnataka

*Bachelor of Science: Mathematics, Electronics, and Computer Science Aug. 2019 – Aug. 2022*

# COURSEWORK / SKILLS

* DSA
* Operating Systems

# Projects

* Oops Concepts
* Computer Networks
* System Design
* Cloud Computing
* Software Engineering
* DBMS

**Masala Box Food Delivery App** *|* ***React.js, Tailwind CSS, Firebase*** Feb 2024 - May 2024

* + Developed a responsive food delivery application using React.js and TypeScript.
  + Styled the app with Tailwind CSS for a modern and user-friendly interface.
  + Utilized Firebase for real-time database management and authentication, enabling seamless user registration and login.
  + Implemented Context API for global state management, handling user sessions and cart data.
  + Designed and integrated a functional cart system, including browsing menu items, adding items to the cart, viewing cart contents, and proceeding to checkout.

**AI Content Generator** *|* ***Next.js, TypeScript, PostgreSQL, Clerk , Drizzle ORM*** Jul 2024

* + Developed an AI content generation application using Next.js and TypeScript for the frontend.
  + Integrated Gemini API to generate content based on user-selected templates and topics.
  + Displayed generated content in an editor panel with real-time updates for a seamless user experience.
  + Stored all generated content in a PostgreSQL database using Drizzle ORM for efficient data management.
  + Implemented a history page to display users’ activity, including previously generated content, with options to delete and copy content.

# Research

**Comparative Analysis of User-User Collaborative Filtering Approaches** June 2023 – Nov 2023

* + Conducted in-depth research on ”Comparative Analysis of User-User Collaborative Filtering Approaches in Music Recommendation System,” evaluating five collaborative filtering models.
  + Explored and compared models like Pearson correlation, cosine similarity, adjusted cosine similarity, slope one, and SVD, providing a comprehensive understanding of their strengths and weaknesses in music recommendation.
  + Employed precision, recall, F1 score, and RSME to systematically assess and compare collaborative filtering models, ensuring a thorough and nuanced analysis.

# Technical Skills

**Languages**: Java, JavaScript, HTML/CSS, MySQL

**Frameworks**: React.js, Node.js, Express, Material-UI, Tailwind CSS, Vite, Bootstrap **Developer Tools**: Git, AWS, VS Code, Visual Studio, Pycharm, IntelliJ, Eclipse **Libraries**: React, react-router-dom,Daisy UI

# Certifications

**Web Development Bootcamp**: by Dr. Angela Yu

**The Agile Certified Practitioner Training Program**: by Sorin Dumitrascu

**AWS Academy Graduate - AWS Academy Cloud Foundations**: AWS Academy