

# U Giridharan

Bengaluru, Karnataka, India

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[giridharan-portfolio.vercel.app/](https://giridharan-portfolio.vercel.app/)

## EDUCATION

### MVJ College of Engineering

*Bachelor of Engineering in Computer Science | CGPA: 8.7*

**Dec. 2021 - May 2025**

*Bengaluru, Karnataka*

### Cambridge Pre-University College

*Class XII | Percentage: 94%*

**Jun. 2019 - Jun. 2021**

*Bengaluru, Karnataka*

## EXPERIENCE

### Machine Learning Intern

*Rooman Technologies*

**Sept. 2024 - Mar. 2025**

*Bengaluru, Karnataka*

- Implemented ML models using Scikit-learn, covering regression, classification, and clustering techniques.
- Preprocessed and transformed data using Pandas, feature engineering, normalization, and encoding techniques.
- Followed SDLC principles and collaborated in an Agile-like workflow.

### Software Engineering Intern

*Systecks Solutions*

**Nov. 2023**

*Remote*

- Collaborated with a team to integrate and optimize the catalog feature on an e-commerce platform, using Java & Springboot.
- Actively engaged in reading, editing, and creating comprehensive documentation, facilitating smoother team collaboration and knowledge transfer.

## PROJECTS

### CodeChoreo | *React, Typescript, Node.js, Express, Socket.io*

**Github**

- Developed CodeChoreo, a real-time collaborative coding platform where multiple users can write and edit code together, with features like live synchronization, version control, and an interactive coding environment.
- Integrated an AI-powered chatbot to help users by providing code explanations, debugging assistance, and suggestions, making it easier to understand and fix errors quickly.

### BookHaven | *Spring Boot, Thymeleaf, Alpine.js, Docker, RabbitMQ, PostgreSQL, Keycloak*

**Github**

- Engineered a scalable online bookstore featuring dynamic catalog management, efficient order processing, and real-time notifications to streamline the entire purchase workflow.
- Implemented OAuth2 single sign-on for secure login and built an async messaging system for reliable service communication and instant order updates.

### Tacti-kick | *React, Node.js, Express, PostgreSQL*

**Github**

- Architected and deployed a football set-piece tool that dynamically recommends optimal player roles for corners and free-kicks based on input attributes like successful setpiece goals, crossing and height.
- Designed a real-time pitch interface with interactive tactical visualizations, enhancing user understanding of role assignments and improving decision-making in match scenarios.

## TECHNICAL SKILLS

**Programming Languages:** Java, Python




**Web Technologies and Databases:** HTML, CSS, JavaScript, Typescript, Postgresql, MySQL

**Frameworks & Libraries:** React, Spring Boot

**Developer Tools:** VS Code, Git, GitHub, Postman, Docker

**Software Practices:** RESTful APIs, CI/CD, Unit Testing & Debugging, Agile Methodologies, SDLC

## CERTIFICATIONS

- \* AWS Academy Cloud Foundation  | **AWS Academy**
- \* Complete Web Developer: Zero to Mastery  | **Udemy**
- \* Google GenAI Study Jam  | **Google**