

# ANNAPOORNA A NAIR

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## SUMMARY

Motivated software engineering student with hands-on experience in developing secure applications and leading technical teams. Proficient in **HTML, CSS, JavaScript**, and **UI/UX design** with a focus on **accessibility** and **responsive design**. Completed an internship at **Resileo-Labs**, specializing in **speech and text technologies**. Demonstrated leadership as the Technical Head at **Malayalam Literary Association**, optimizing website operations and managing a cross-functional tech team. Skilled in **object-oriented design, C/C++**, and familiar with **software development methodologies**. Strong communicator with experience in **user research** and **user-centered design**.

## EXPERIENCE

### Intern | Resileo-Labs

June 2024 - July 2024

- Conducted research and implementation of **Automatic Speech Recognition (ASR)** technologies, enhancing accuracy and efficiency.
- Tested, debugged, and documented models, providing detailed performance analyses and seeking feedback for continuous improvement.
- Applied **user-centered design principles** to optimize technology solutions.

### Technical Head | Malayalam Literary Association

April 2024 - Present

- Managed and maintained the **MLA website**, ensuring optimal performance and regular updates using **HTML, CSS, and JavaScript**.
- Led and coordinated a team of tech enthusiasts, focusing on **responsive design** and **accessibility** in project deliverables.
- Utilized **project management skills** to streamline operations and achieve team goals.

## PROJECTS

### Cafe Management System (Java Swing)

Role: UI/UX Developer & Java Developer

- Developed a **user-friendly interface** and implemented features in Java, ensuring seamless interaction and **responsive design**.

### AI Sign Language Detection System

Role: Co-Developer

- Created a model for **recognizing American Sign Language (ASL)** letters via camera feed, curating and managing the training dataset.

### Traffic Signboard Detection System

Role: Co-Developer

- Applied **machine learning techniques** for **traffic signboard detection**, demonstrating problem-solving skills and **collaboration**.

## EDUCATION

### Vellore Institute of Technology, Vellore, Tamil Nadu

Integrated M.Tech. Software Engineering (5 Years)

September 2021 - Present

CGPA: 8.89/10

### SVGVHSS Kidanganoor, Pathanamthitta, Kerala

Higher Secondary Education - Science

March 2021

CGPA: 10/10

## ACHIEVEMENTS

- Bharath Scout and Guide Member**: Demonstrated **leadership** and organizational skills as a Guide Company leader.
- State-Level Kerala School Sasthrolsavam (2020)**: Secured an A Grade in the Math Fair event, showcasing strong **analytical and problem-solving skills**.
- Coordinator, Gravittass (2023)**: Organized and led more than 10 events, gaining experience in **event management, team collaboration**, and **leadership**.

## TECHNICAL SKILLS

- Programming Languages**: Java, Python, C/C++
- Web Development**: HTML, CSS, JavaScript, Bootstrap, React (currently enrolled)
- UI/UX Design**: Java Swing, **Responsive Design, Accessibility**
- Machine Learning/AI**: Image processing, object detection, ASR, Image & Audio Classification
- Software Development**: Object-Oriented Design, **Software Development Methodologies**
- Tools**: MS Excel, MS Word, MS PowerPoint, Git

## CORE COMPETENCIES

- Collaboration**: Strong ability to work effectively in team environments and build interpersonal relationships.
- Motivation and Resourcefulness**: Highly motivated, resourceful, with the ability to work independently with minimal guidance.
- Project Management**: Skilled in prioritizing and managing multiple projects simultaneously with attention to detail.
- Communication**: Excellent written and oral communication skills, including experience with large-group presentations.