

# Arrabelli Varsha Reddy

+91 709-311-9393 | Portfolio | Email | LinkedIn | Github

## EDUCATION

National Institute of Technology, Calicut  
Sri Chaitanya Junior College  
SPR School of Excellence

**B.Tech in Computer Science** | GPA : 8.5  
**Higher Secondary Education** | % : 93.5  
**Secondary Education** | GPA : 9.8

December 2020 – May 2024  
May 2018 – September 2020  
May 2018 – September 2020

## EXPERIENCE

### Software Engineer Intern | Sandvine

January 2024 – Present

- Developing and implementing signature-based solutions for precise identification and classification of specific network traffic patterns, significantly improving accuracy and efficiency.
- In-depth knowledge of various network protocols. Vigilantly monitored and addressed network leaks, analyzing, and adding signatures for different applications of network traffic.
- Established a comprehensive suite of unit test cases, enhancing the reliability and efficiency of network traffic classification algorithms.
- Python / C / C++ / Wireshark

### Software Developer Intern | Arcesium (D.E. Shaw Group)

May 2023 – July 2023

- Designed and implemented a Java library facilitating dynamic runtime modifications of property values in configuration files.
- This library eliminated the need for a redeployment process, providing a seamless experience for users. The library exhibits minimal runtime and environment-specific dependencies, requiring minimal code modifications by end-users.
- Developed a front-end interface for clients that enhances the user experience, empowering clients to make real-time adjustments without extensive technical knowledge.
- Java / Spring / React js / SQL / Spring Boot / Git

### ML Research | Pournami P.N. (Prof. at NIT Calicut)

July 2023 – Jan 2024

- I was in a project under our lecturer and alongside a Ph.D. student, focused on enhancing the accuracy of image captioning models.
- Image captioning aims to detect information by describing the image content through image and text processing techniques.
- This project focuses on the development of an image captioning system, a novel approach merging CV and NLP. Leveraging the deep learning techniques, the system generate descriptive and relevant captions for input images.

## TECHNICAL SKILLS

**Languages** : C, C++, Java, Python, SQL, JavaScript, PHP, Dart

**Relevant Coursework** : OS, DBMS, Computer Networks, OOPS

**Development Tools** : Linux, Git, Github, Docker, VS code, Wireshark

**Frameworks** : Flutter, Flask, Spring, Nextjs, Spring Boot

**Web Tools** : HTML, CSS, React, ExpressJs, NextJs, NodeJs, MYSQL, MongoDB, Firebase

## PROJECTS

### Event Management Website | Python, Flask, SQL, HTML, CSS

January, 2023

- The Event Management website provides students with a comprehensive view of various organization events, offering detailed event information.
- Students can share feedback for each event and access department-wise event listings. The search feature enables easy exploration of events by name and venue.

### College Management System | HTML, CSS, PHP, SQL

October, 2022

- A website that stores student and teacher records and performs different operations on the data.
- A website where we can also track students grades and course enrollment details and teachers to students mapping.

### Events Buzz App | Flutter, Dart, Firebase

March, 2023

- Discover events within the organization and access reliable information through a structured hierarchical interface on the app. Stay informed and engaged with the event updates
- Smooth App User Interface for a better user experience.

## KEY SKILLS

- Time Management
- Communication Skills
- Team Work
- Leadership Qualities

## LINKS & CERTIFICATIONS

- Problem solving certificate on HackerRank [↗](#)
- CSS certificate on HackerRank [↗](#)
- HackerRank Profile [↗](#)
- LeetCode Profile [↗](#)

## ACHIEVEMENTS

- Top 1 percent on leet code | Competitive Programmer with a record of consistency in algorithmic problem-solving in contests.
- Ranked amongst top 1% in Joint Entrance Examination (JEE) Mains 2020 out of total 8.5 lakh candidates.
- Certified and 5-star Programmer at HackerRank.