

Arrabelli Varsha Reddy

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PROFESSIONAL SUMMARY

Talented software development professional with experience. Consistent in delivering clean, error-free, reliable code to meet current or expected needs. Well-versed in software trends and confident in multiple languages, frameworks, and programming tools. I want to learn more unknown skills and create new things that enhance the quality of my work. To utilize my skills in the field of industry and contribute to the growth of the organization.

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

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

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

Relevant Coursework : OS, DBMS, Computer Networks, OOPS

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

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

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

LANGUAGES

- **English** - proficient
- **Telugu** - Native
- **Hindi** - Proficient

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.