

ARJUN GOYAL

arjungoyal66796@gmail.com • 6387634132 • Lucknow, India • 09 January, 2005 • github.com/Arjun9036

Aspiring Full Stack / MERN Software Engineer with a strong foundation in computer science and hands-on experience in software development, machine learning, and project management.

Education

Vellore Institute of Technology

Bachelor of Technology - BTech, Computer Software Engineering
09/2022 - Present,
8.21/10 CGPA

Manas Sthali Public School

Intermediate Education
84% in PCM

Experience

Betalectic

Software Intern

- As a Software Intern at Betalectic, I am actively involved in developing and optimizing software solutions. Collaborated with a team of 5 developers to design, implement, and test new features using Python and React.js, resulting in a 20% increase in application performance. I utilize my strong foundation in computer science and my passion for coding to solve complex problems efficiently. This internship has allowed me to gain hands-on experience with various programming languages and development tools, further enhancing my technical skills and understanding of the software development lifecycle.

Bharat Intern

Intern

- Developed and implemented an image classification system with 95% accuracy in differentiating between cats and dogs, utilizing machine learning algorithms. Employed Machine learning frameworks and conducted extensive model training to achieve high accuracy rates, showcasing proficiency in computer vision and image classification technologies.

Personal Projects

NPM Packages Explorer

- Developed a dynamic website leveraging an API to display over 500 NPM packages, allowing users to curate and manage their favorite packages seamlessly. This project showcases my skills in web development, API integration, and user experience design, enhancing my portfolio with a practical, user-focused application that improved user engagement by 40%.

Polling App

- Developed an initial-stage online polling program in Python and SQL, enabling users to vote in elections via a secure and user-friendly interface. Leveraged Python libraries for data handling and web interaction to ensure efficient and reliable voting processes, enhancing accessibility and transparency in the election system.

Shopping Mall Billing System

- Developed a shopping mall billing system using JavaFX, featuring a user-friendly interface for efficient transaction processing. The system integrates product management, price calculation, and receipt generation functionalities, demonstrating proficiency in JavaFX for creating responsive and interactive desktop applications.

SMS Spam Classifier

- Designed and implemented an SMS spam classifier using natural language processing and machine learning techniques, achieving a 98% detection accuracy and reducing spam messages by 90%. Leveraged natural language processing algorithms and feature engineering to enhance accuracy and precision, contributing to the creation of a reliable and efficient solution for identifying and filtering SMS spam.

Clarity Drive

- I developed a hardware project to enhance driver visibility during foggy weather and reduce accidents. The system integrates a PIR sensor for detecting human presence, an IR sensor for penetrating fog, an ultrasonic sensor for measuring obstacle distance, a camera module for real-time video processing, and a GPS module for location tracking and navigation. This comprehensive system provides drivers with a clear view in poor weather conditions, significantly improving safety and reducing accident risks.

Super-resolution Imaging and Application

- Spearheaded a cutting-edge project centered on leveraging Convolutional Neural Networks (CNNs) to enhance image quality, employing advanced algorithms to accentuate key details and significantly improve visual appeal.

Leadership and Activities

NextGen Cloud VIT-AP

Event Coordinator (09/2023 - Present)

- Led comprehensive event management, fostering collaboration for seamless execution. Effective communication spurred participant creativity and problem-solving, ensuring innovative projects' success.

Co-Lead Python Department (09/2023 - Present)

- I focused on fostering collaboration, innovation, and efficiency. Through effective project oversight and team management, I cultivated a dynamic environment where creativity thrived. Our collective efforts propelled us to achieve impactful outcomes and drive continuous improvement within our team.

Certifications

- Co-Lead, PY CODE, NextGen Cloud Club, VIT-AP, 2023-2024
- Data Science[Intern] : Bharat Intern (12/2023 - 01/2024)
- Event Coordinator - NextGen Cloud Club VIT-AP (09/2023)
- GITHUB-Open Source community : VIT-AP (10/2022)
- GFG - GEEKS FOR GEEKS VIT AP STUDENT CHAPTER (10/2022)

Skills & Interests

Technical: Python, Javascript, React js, DSA, Java, MySQL, HTML, CSS, UIUX, Data Science.

Language: English, Hindi, German(Limited working Proficiency).

Interests: Coding, Hackathons, Emerging Technologies, Tech Conference, Entrepreneurship.