Nettem Nikhil Chowdary

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🐙 nikhilc523   in Nikhil-Chowdary

📍 Anantapur, Andhra Pradesh

Profile

An optimistic and adaptable software developer who believes that every challenge is an opportunity to grow and learn, skilled in software development and a team player eager to contribute technical knowledge and creativity in a challenging environment with growth opportunities.

Education

2020/10 – present Kollam	**BTech in Computer Science and Engineering** *Amrita School of Engineering* CGPA - 9.16
2018/06 – 2020/03 Vijayawada	**12th Standard AP State Board** *Sri Chaitanya Junior Kalasala* CGPA - 9.7
2017/06 – 2018/03 Anantapur	**10th Standard Andhra Pradesh Board of Education** *Sri Chaitanya School* CGPA - 10

Skills

- Python
- HTML
- MySQL
- React Native

- Java
- CSS
- Docker
- Application Development

- Data Structures
- React JS
- Git

Projects

2023/02 – 2023/05	**Pixelate Me, A Web Application for Privacy Preserving Video Sharing** *Python, Python Flask , JS, Java Ajax, MySQL* Developed a privacy-focused software application that protects individuals' identities in sensitive videos shared on social media. By using automated face detection and blurring techniques, we address cyberbullying and privacy concerns.
2023/02 – 2023/05	**Krypto-Website** *ReactJS,Redux Toolkit,Chakra UI* The goal of the crypto website is to provide users with detailed and comprehensive information about cryptocurrencies.To provide accurate and up-to-date cryptocurrency information,integrated the Coingecko API into the website.Integrated Firebase authentication services into the website, enabling users to easily log in and sign up.Implemented line charts using chart.js showcasing price trends over time using provided data.
2022/10 – 2022/12	**Agricultural-Production-Optimization-Engine** *Machine Learning , Python* We have developed a predictive machine learning model to assist farmers in optimizing agricultural production.By considering specific soil and climatic conditions, the model recommends the most suitable crop for optimal harvest.
2021/11 – 2021/12	**Event Management** ⧉ *Java Swings, Postgre SQL, UI design* Developed with Java Swings and utilizing JDBC for seamless integration with Postgre SQL, this software solution simplifies event organization and management.It offers features such as registration, attendee management, scheduling, and resource allocation, providing an efficient and user-friendly event planning experience.

Experiences

2022/09 – present	**Chegg Subject Matter Expert** I try to answer questions posted by students on the Q&A board while maintaining a high level of academic integrity.

Publications

2023/09/14	**Analysis using a Model-Based Approach of Path Planning for Multiple Uavs in the Context of Surveying Building Damage Following a Disaster** ⌐ • Conducted a model-based analysis of multi-UAV path planning for efficient post-disaster building damage assessment, integrating spatial data, building blueprints, and advanced modeling techniques. • Demonstrated expertise in optimizing disaster response with scalable strategies, including grid-based, graph-based, and machine learning-enhanced approaches, to maximize coverage and minimize mission time.
2023/07/05	**General Deep Learning Model for Detecting Diabetic Retinopathy** ⌐ • Developed a specialized deep learning model employing CNNs for precise diabetic retinopathy detection in retinal images, emphasizing early diagnosis and treatment. • Demonstrated its effectiveness and clinical potential through experimental validation, showcasing its relevance for medical applications.
2023/07/16	**A Novel Approaches of Detecting Breast Cancer with Hybrid Models: Techniques and Challenges** ⌐ • Conducted a comprehensive review highlighting the effectiveness of hybrid models in breast cancer detection, emphasizing their potential to enhance accuracy and efficiency through feature selection, data preprocessing, and classification. • Demonstrated expertise in optimizing complex model integration, addressing interpretability concerns, and contributing to the advancement of breast cancer detection for improved patient outcomes.

Organizations

2022/10 – present	**AMESE Club** *Committee member* Environmental Conservation Organization.
2021/10 – present	**AYUDH AMRITAPURI** *Committee Member* AYUDH is a community organisation that seeks to empower young people to integrate universal values into their daily lives.

Social Outreach Programs

2022/10 – 2023/01	**SSR Website** *Student Social Responsibility Project* Built a full stack web app that allow students of Amrita, able to access all the SSR projects done by their schoolmates. We aim to implement a well responsive website that groups projects in a well ordered way.It displays essence of SSR.
2022/04	**Amritavanam** *Core team member* Amrita Vanam is the reforestation programme of GreenFriends. The programme encourages people anto plant and maintain saplings.
2022/09	**Beach Clean Up Drive** *Seva Program* On World Cleanup Day, a stretch of six kilometers along the coastline of the Arabian Sea, from Azheekal Beach to Kuzhitara town, was cleaned up.

Certificates

• Cisco Networking Academy® Cybersecurity Essentials ⌐   • Cisco Networking Academy® Introduction to Cybersecurity ⌐

Languages

• English (Speak,Read,Write)   • Telugu (Speak,Write,Read)   • Hindi (Read,Write,Speak)