

AYUSH ADITYA

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EDUCATION

- BE in Artificial intelligence and Machine Learning | Dayananda Sagar College of Engineering , Bangalore Aug 2020 – Jun 2024
- XII (CBSE) | Sri Chaitanya Techno School , Vishakhapattanam Apr 2018 – Jun 2020
- X (ICSE) | Don Bosco Academy, Patna Apr 2006 – Jun 2018

EXPERIENCE

Android Engineer Intern | SandLogic | Bangalore

Dec 2022 – Jun 2023

- Spearheaded the integration of machine learning models into Android applications, resulting in a 50% improvement in accuracy and a 30% reduction in processing time, enhancing user experience and overall app performance

Android Development Program | Technex 21,IIT BHU

Jun 2021 – Jul 2021

- Integrated advanced audio streaming and offline caching capabilities into the music player app, resulting in a 40% increase in client and a 25% decrease in buffering time ,Program integrating Android development skills with a passion for music; enhanced user-experience through intuitive design and seamless functionality, eventuality in a 40% increment in app downloads and a 25% boost in user engagement.

PROJECTS

Real Time Recognition Of Underwater Images(AIML,OpenCv) 📄

- Developed and implemented a cutting-edge deep learning solution using YoloV8 for real-time recognition of underwater images; achieved an impressive 96% accuracy rate, reducing manual image analysis time by 75%.
- Provided a hybrid approach by combining Support Vector Machine (SVM) algorithm and deep learning techniques to improve accuracy and robustness in identifying underwater objects and marine life, resulting in a 20% increase in detection precision and a 15% reduction in false positives.
- Prompt the creation of a cutting-edge tool to expedite and improve the identification of underwater elements for marine researchers, divers, and conservationists; a accomplish a 50% increase in research efficiency and enabled more targeted conservation efforts.
- Redesigned model for real-time operations in challenging underwater environments, achieving a 50% increase in efficiency and ensuring optimal performance in demanding conditions.

FirePred 📄

- Created a machine learning-driven fire detector that analyzed real-time data from multiple sensors; decreased false alarms by 75% and improved fire detection speed by 60%, ensuring enhanced safety measures.
- Revamped the user interface by leveraging HTML and CSS techniques; streamlined navigation, enhanced visual appeal, and fulfil a 30% increase in customer satisfaction scores.
- Orchestrated the deployment of the application using Python and Flask, ensuring seamless integration and improved scalability across multiple environments, resulting in a 40% reduction in server provisioning time..

Music Player App(Android) 📄

- Optimized the user interface of our Android music player app, outcome in a 25% decrease in user bounce rate and a 15% increase in user retention
- Completed on Android Studio as the primary development tool, impacting in a 30% increase in development efficiency and a 20% reduction in bug fixes during the testing phase.
- Originated the development of a cutting-edge music app, integrating user-centric features such as personalized playlists and real-time song recommendations, resulting in a 50% increase in daily active users and a 20% boost in premium subscriptions.

Personal Portfolio 📄

- Set up a visually captivating and user-friendly portfolio website, highlighting a comprehensive range of skills, accomplishments, and contact information; optimized SEO to rank within the top 3 search results, driving a 50% increase in website traffic and boosting lead generation by 30%.
- Directed the development of a mobile-friendly layout, resulting in a 30% expand in user engagement and a 20% boost in conversion rates
- Arrayed CSS animations to enhance website interactivity, resulting in a 20% raise in customer and a 15% decrease in bounce rate.

SKILLS

- Java / Python
- Frontend Development
- Operating System
- Machine Learning
- DBMS/SQL
- Android Development
- Computer Networks

ACHIEVEMENT

- 5 Star on problem solving and java on Hackerrank.
- AIR 549 and State level Rank 20 in National Level Science Talent Search Examination.

Certificates

Amazon Web Services 📄

Concepts of AWS services and terminology.

SKILLUP 📄

Python Libraries for data science

Responsibilities

Tech Team -AVENTUS

Jun 2023

- Aventus was a national level hackathon which was organized by department AIML at DSCE.We built the site and QR codes for the participants.