Akhil Swarop

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Proactive Computer Science and Engineering student at Amrita Vishwa Vidyapeetham specializing in computer vision and image processing, with a foundation in software development principles. Coursework includes digital image processing and explores emerging technologies like augmented/virtual reality. Actively seeking internships to gain practical experience applying academic knowledge and developing intuitive solutions.

WORK EXPERIENCE

Metatroncube Software Solutions • **Remote** • **05/2024 - 07/2024**

Flutter App Developer • **Internship**

- Developed and optimized Flutter applications, adhering to best practices in workflow management, version control, and the software development life cycle. Ensured high performance and consistency across platforms through continuous refinement and proactive troubleshooting.

CERTIFICATIONS

AR games using Vuforia SDK • 03/2024 - 04/2024

Coursera

Disaster Risk Monitoring Using Satellite Imagery • 10/2023 - 11/2023

NVIDIA

Responsive Web Design • 10/2022 - 11/2022

freeCodeCamp

PROJECTS

howzit! • 05/2024 - 07/2024

Metatroncube Software Solutions

- Developed a RESTful application facilitating connections between celebrities and fans.
- Utilized efficient data structures to optimize connectivity and enhance user experience.
- Implemented AWS LightSail for backend services, ensuring rapid data replication and efficient storage/retrieval.
- Leveraged Flutter for cross-platform frontend development, delivering a seamless user interface across multiple devices.

AR Anatomy • 03/2024 - 04/2024

Amrita Vishwa Vidyapeetham

- Developed an interactive augmented reality anatomy application using Vuforia SDK.
- Implemented marker-based detection for accurate model overlay on real-world objects.
- Designed user interaction to explode models, revealing labeled subcomponents.
- Demonstrates strong understanding of AR principles, 3D modeling, and user interface design.

SKILLS

Algorithms, Cascading Style Sheets (CSS), ChatGPT, Dart, Dart, Data Wrangling, Deep Learning, Embedded Systems, Flutter, Flutter, Git, Github, HTML, HTML5, JavaScript, Keras, Machine Learning, MongoDB, MySQL, PostgreSQL, PyTorch, React.js, TensorFlow, Unity, Vuforia Augmented Reality SDK

EDUCATION

Bachelor of Technology - BTech in Computer Science and Engineering

Amrita Vishwa Vidyapeetham
GPA: 7.69
09/2021 - 09/2025

Class 12

KCS CBSE
GPA: 95.2 %

Class 10

KCS CBSE
GPA: 93.2 %