

# Akhil Swarop

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I'm a Computer Science and Engineering student at Amrita Vishwa Vidyapeetham with hands-on experience in programming, software design, and development. I've worked with SQL, Python, and other tools to build and troubleshoot applications, and I'm always looking for ways to improve and learn more. I enjoy collaborating with others and take pride in finding innovative solutions to complex problems.

## WORK EXPERIENCE

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### 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

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### Intro to Full Stack Development • 01/2023 - 03/2023

Amrita Vishwa Vidyapeetham

### Responsive Web Design • 10/2022 - 11/2022

freeCodeCamp

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

Coursera

## PROJECTS

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### AI-Powered Career Guidance System with Resume Analysis and Job Matching •

08/2024 - Present

Amrita Vishwa Vidyapeetham

- Developed an AI-driven web app using Streamlit to analyze resumes, extracting skills via NLP (spaCy) and ranking job titles using TF-IDF and cosine similarity. Automated LinkedIn job searches with Selenium, matching users to over 1,000 job titles and providing top 5 recommendations based on their skills.

### howzit! • 05/2024 - 07/2024

Metatroncube Software Solutions

- Developed a cross-platform Flutter application connecting celebrities and fans, achieving 30% faster data retrieval using AWS LightSail for backend services. Implemented optimized data structures, improving user engagement by 25%. Currently managing the app's advertising phase across major platforms.

### AR Anatomy • 03/2024 - 04/2024

Amrita Vishwa Vidyapeetham

- Developed an interactive AR anatomy app using Vuforia SDK with marker-based detection, achieving 95% model overlay accuracy. Designed an intuitive UI for model explosion and subcomponent labeling, enhancing learning engagement by 40%. Demonstrated expertise in AR principles, 3D modeling, and UX design.

## SKILLS

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Cascading Style Sheets (CSS),  
Deep Learning, Flutter,  
Github, HTML5, Javascript,  
Machine Learning, MySQL,  
Python, Unity, Vuforia  
Augmented Reality SDK

## EDUCATION

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### Bachelor of Technology - BTech in Computer Science and Engineering

Amrita Vishwa  
Vidyapeetham

GPA: 7.65

09/2021 - 09/2025

### Class 12

KCS CBSE

GPA: 95.2 %

### Class 10

KCS CBSE

GPA: 93.2 %