Akhil Swarop

Coimbatore, Tamil Nadu • 8072337567 • akhiltheswarop@gmail.com • linkedin.com/in/akhil-swarop-a5ba91185

Proactive Computer Science and Engineering student at Amrita Vishwa Vidyapeetham with a strong foundation in data analysis, statistical modeling, and machine learning. Specializing in leveraging analytical skills to derive actionable insights from complex datasets. Coursework includes digital image processing and statistical modeling, with hands-on experience in tools and technologies such as SQL, Python, and Excel. Actively seeking internships to apply academic knowledge in real-world scenarios, develop intuitive data-driven solutions, and contribute to impactful business decisions.

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

Introduction to Cloud Computing • 09/2024 - Present
Coursera - IBM

PROJECTS

Predictive Analytics and Recommender Systems for Food Data
Amrita Vishwa Vidyapeetham

- Developed and visualized data insights using tools like Plotly, Bokeh, and Tableau.
- Applied market basket analysis using Eclat, FP Growth, Apriori, and AIS algorithms.
- Built advanced recommender systems using content-based and collaborative filtering approaches.
- Performed time series analysis with ARIMA and Auto ARIMA models for accurate forecasting.
- Conducted preprocessing and pattern identification in time series data for prediction enhancement.

Internship Project
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.

SKILLS

Algorithms, Cascading Style Sheets (CSS), ChatGPT, Dart, Dart, Data Wrangling, Deep Learning, Embedded Systems, Excel, Flutter, Flutter, Git, Github, Hive, HTML, HTML5, JavaScript, Keras, Machine Learning, MongoDB, MySQL, PostgreSQL, Python, PyTorch, R, React.js, Spark, SQL, 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 %

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.