

M Karuna Shree (she/her)

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Education

VIT Bhopal University

B. Tech

Computer Science and Engineering with specialization in E- Commerce

Cumulative GPA: 9.1/10

Bhopal, Madhya Pradesh
October, 2022 - Expected 2026

12th Standard

Army Public School, Ahmednagar

CBSE Cumulative GPA: 8.47/10

Ahmednagar, Maharashtra
April, 2021- July, 2022

10th Standard

Army Public School, Ahmednagar

CBSE Cumulative GPA: 9.57/10

Ahmednagar, Maharashtra
April, 2019- July, 2020

Experience

PlyPicker, Pune

September, 2024 – November, 2024

Augmented Reality Research Intern

- Researched and prototyped advanced AR interaction methods, including gesture-based object manipulation and surface detection algorithms for improved spatial computing experiences. Resolved complex 3D transformation challenges by implementing matrix calculations for accurate object positioning and rotation within augmented reality environments.
- Engineered interactive AR furniture placement systems with hit-testing functionality, enabling users to visualize and position 3D models in real-world environments with precision.

Projects

FurniVision: Web based AR project

- Developed and deployed a WebAR-based furniture shopping platform, to make online commerce's product visualization more immersive. Integrated WebAR framework to enable augmented reality experiences directly within web browsers, enhancing user engagement and providing immersive product visualization.
- Utilized JavaScript for front-end development and integrated Three.js for 3D rendering. Incorporated TensorFlow for machine learning-based image processing to enhance the AR visualization capabilities of the website and to enable personalized product recommendations .

Technology stack: HTML5, CSS3, JavaScript, Three.js, AR.js, TensorFlow(Machine Learning Library)

Weather view : Weather Visualization Website

- Engineered an advanced interactive platform that visualizes real-time global temperatures and weather forecasts, enabling users to explore dynamic climate patterns and anticipate future weather changes through intuitive, animated maps.
- Allows Engagement with interactive maps that animate the movement of air masses and display detailed meteorological data along with various features to navigate through different layers to view temperature, humidity, and precipitation across the globe.

Technology stack: HTML5, CSS3, JavaScript, D3.js, WebGL, Python(Data Science)

Extracurricular

E- Commerce Club, VIT Bhopal

Jan 2023- Present

President

- Organized and conducted meetings to spread awareness about the domain.
- Conducted events promoting the use of E-Commerce in our daily lives.

Insights Club, VIT Bhopal

Dec 2022 – Present

Editor-in-chief

- Helped Publish more than 14 monthly Newsletters and 1 yearly magazine along with being the offline coordinator for many of the club's events.

Additional

Technical Skills: Java, HTML, CSS, JavaScript, MySQL, MATLAB.

Languages: Fluent in Hindi and English; Native Proficiency in Tamil

Certifications: Oracle Cloud Infrastructure 2024 Generative AI Professional, Industrial IOT and security from Coursera, MERN Full Stack by Ethnus, AWS Solution Architect by Ethnus.