

MOHAMMED ANAS A R

anasmonar@gmail.com | Phone: +919778250566 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

ABOUT

Motivated third-year Computer Science and Engineering student with a passion for AI, Machine Learning, and Prompt Engineering. Skilled in software development and full-stack web development, with experience designing and deploying innovative, user-centric solutions. Dedicated to continuous learning and contributing to impactful projects that solve real-world challenges.

EDUCATION

Mar Baselios College of Engineering and Technology

Third Year B.Tech Computer Science and Engineering Student

Trivandrum, India

October, 2022 – August, 2026

Govt. Vocational Higher Secondary School

Higher Secondary Education

Chelari, India

October, 2022 – August, 2026

PROJECTS

Sight Mate

January 2024 – Present

Designed an assistive device for visually impaired individuals to recognize Indian currency notes and coins.

- Integrated advanced Machine Learning and Computer Vision algorithms to ensure high accuracy in real-world scenarios.
- Utilized OpenCV and TensorFlow libraries to develop the recognition module.
- Developed a compact and lightweight hardware prototype for seamless usability.
- Conducted rigorous testing to improve system performance under varying conditions.
- Finalizing deployment for large-scale use and integration with a mobile app for extended accessibility features.

Dynamic Portfolio Website

July 2024

Created a dynamic portfolio website showcasing professional projects and achievements.

- Employed HTML, CSS, JavaScript, and Bootstrap to create an interactive and aesthetically pleasing interface.
- Ensured cross-browser compatibility and optimized the website for fast loading times.

E-Learning Management Website

July 2024 – August 2024

Developed a full-stack e-learning platform using the MERN stack.

- Designed the frontend with React.js, CSS, and Bootstrap for a responsive user experience.
- Built the backend with Node.js and Express.js for efficient API handling.
- Utilized MongoDB for dynamic storage of user, course, and enrollment data.
- Implemented real-time user authentication using JWT.
- Enabled dynamic course creation, modification, and enrollment tracking.
- Created interactive dashboards with data visualization for students and administrators.
- Deployed the platform on AWS, utilizing EC2 for hosting and S3 for asset storage.
- Conducted A/B testing to enhance user experience and optimize engagement metrics.
- Ensured scalability and security using AWS services.

Tourism Website

August 2024

Developed a comprehensive tourism platform for the Smart India Hackathon 2024.

- Created a language translator using API integration for real-time language translation.
- Designed a trip planner that allowed tourists to input preferences and generate customized itineraries.

- Leveraged web development skills with HTML, CSS, JavaScript, and backend support using MongoDB and Node.js.
- Ensured responsiveness and scalability through efficient front-end and back-end integration.

A Puzzle Game Using NFA

May 2023 – June 2023

Designed an interactive word-based puzzle game using Non-deterministic Finite Automata (NFA) principles.

- Developed using Java Swing with an intuitive GUI for enhanced user engagement.
- Implemented an algorithm to validate user inputs against NFA automata in real-time.

Chatbot

Date Not Specified

Developed a Python-based chatbot leveraging OpenGPT API for natural language understanding and generation.

- Integrated user-friendly features such as conversational memory and task-specific commands.
- Designed for educational and casual conversations, showcasing the power of AI in interactive applications.

EXPERIENCE

Institution

City, Country

Undergraduate Researcher in the Social Sciences Department

Month, Year - Month, Year

- Interdisciplinary project "project name" supervised by Engineer Pepita Gonzales.
- Explain what, how, and how much you contributed to the project. Always quantify.

HONORS AND AWARDS

Ministry of Education | *Recipient of Scholarship 18*

2023

- Awarded Scholarship 18, a full undergraduate scholarship that finances....

PRESENTATIONS

In-person

- **Martinez, T.** (2023). *Analysis of the Gender Gap in Corporate Institutions*. Thesis Project Fair UNSL, City, Country.

Virtual

- **Martinez, T.** (2023). *Analysis of the Gender Gap in Corporate Institutions*. Thesis Project Fair UNSL, City, Country.

SKILLS

Technical: PCR, SEM, etc...

Software: Photoshop, COMSOL, Microsoft Office.

Languages: Native Spanish, Intermediate English

EXTRACURRICULAR ACTIVITIES

Volunteer Dance Instructor at the FUSIKA Student Organization

2023 – Present

- Teaching dance to 12-year-old girls in the district of Colán...