POOJA SG

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EDUCATION

Karunya Institute of technology and sciences [KITS], Tamil Nadu, IN **(Present - 4th year) 2021 – 2025**
Bachelor of Technology in Computer Science and Engineering - Current CGPA : 9.61
Kendriya Vidyalaya Coimbatore, Tamil Nadu, IN **April 2020 – March 2021**
Completed Senior Secondary education with 94.8%
Kendriya Vidyalaya Coimbatore, Tamil Nadu, IN **April 2018 – March 2019**
Completed Matriculation with 94.8%

EXPERIENCE

CISCO AICTE Program 2022 **Certificate**
Virtual Internship program
- During the summer, as part of our internship program facilitated by the college, we were tasked with gathering IP addresses from users and validating their authenticity.

PROJECTS

PDF to MCQ generator using Gemini API | Python, HTML, CSS, Gemini API, Flask 🔗 ▶
- Developed a Flask-based web application which utilizes the Gemini API to process and generate multiple-choice questions (MCQs) from PDF documents. By analyzing and extracting content, including images, from the PDF, the application creates structured MCQs using a generative AI model. It offers a user-friendly interface for uploading PDFs, generating MCQs, interactive question practice, and question management. Additionally, users can export selected MCQs as a downloadable PDF test paper. The backend integrates Gemini API for AI-driven question generation, while the frontend ensures smooth user interaction and efficient state management.

Attendance marking system using Deepface | Python, HTML, CSS, Flask, Deepface 🔗
- Developed a face recognition pipeline by collecting reference images of individual students and implemented a facial verification algorithm using the DeepFace library to compare uploaded classroom images with the student dataset for accurate attendance verification. The solution was integrated into a Flask web application, enabling efficient image upload, processing, and real-time display of attendance results.

TO-DO List Manager using Node.js | Node.js 🔗
- Developed a TO-DO list manager with task creation, categorization, and due date assignment functionalities. Users can mark tasks as completed and delete them accordingly. The application stores tasks in a MongoDB database using Mongoose with a defined schema for efficient data management and retrieval.

Music Player Model | HTML, CSS 🔗
- Developed a music player application with an intuitive navbar, interactive carousel cards, and a playlist section. Users can easily navigate to artist pages by clicking their names, while the bottom music player ensures continuous playback, activated by selecting cards from the station's carousel.

TECHNICAL SKILLS

Languages: Python, SQL
Frontend: HTML, CSS, React Js
Backend: Node Js
Libraries and Frameworks: Deepface, Flask
Other Skills: Data Structures and Algorithms, Numpy, Pandas

CERTIFICATIONS

- **Front End Web Development** (Coding Ninjas Certified)
- **Back End Web Development Node.js** (Coding Ninjas Certified)
- **Front End Web Development React.js** (Coding Ninjas Certified)
- **Data Structures and Algorithms** (Coding Ninjas Certified)(AlgoExpert Certified)

HONORS AND ACHIEVEMENTS

- **Winner of Nexus Hackathon conducted by College (Inventory Management System)** (Certificate)
- **Secured 2nd place in Code Rush'22 competition conducted by College** (Certificate)
- **Secured a rank of 46 out of 129 students in Code Battle 2 conducted by Codingal** (Certificate)
- **Successfully completed tasks in Google Code-in 2019** (Certificate)
- **Successfully completed tasks in Google Code-in 2018** (Certificate)