

Arun Natarajan

B.Tech CSE NITC

📍 Calicut

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🔗 https://www.arunnats.com/

Education

National Insititute of Technology Calicut

Computer Science and Engineering

8.19 CGPA

B.Tech

2022-2026

St Josephs Academy

98.4%

School and district topper

ISC - 12th Grade

2022

St Joseph's Academy

95%

School topper

ICSE -10th grade

2020

Projects

Movie Match

Website which aggregates and provides streaming information about all movies.

Winners of Bit'N'Build International Hackathon 2024 Kerala State

-Created a Python script which collects data from multiple sources on the internet through dataset collection methods from public sources, updated daily

-Built a responsive website back end using JavaScript with nodeJS and express as the frameworks featuring a powerful fuzzy search algorithm using fuseJS which sorts by multiple filters and movie ratings

-Using OpenAI API integrations, users can get personalized recommendations

javascript, MongoDB, OpenAI, python, nodeJS, fuseJS

🔗 <https://github.com/arunnats/movie-match>

Harvest Buddy

Built at Bit N Build International Hackathon finale

Team Project - Backend Lead

-Built a inventory management system for farmers which crop growth cycle updates, real time weather updates and inventory usage updates.

-Integrated Twilio to send SMS to the user and OpenMapBox to get the coordinate location of the farmer and give crop growth, usage and market suggestions using OpenAI language models

-Inventory management using MongoDB, and a NodeJS server running express with a uniquely retro game themed UI.

nodeJS, expressJS, Twilio, mongoDB, passportJS, OpenAI, OpenMapBox

🔗 <https://github.com/arunnats/HarvestBuddy>

Minutes Maker

Web-app that generates minutes from uploaded audio

Solo project

-Created a web-app hosted on google cloud services with API integration, utilizing Deepgram Nova 2 to generate a transcript and OpenAI GPT 3.5 to create the minutes of the meeting while presenting an appealing user experience using HTML, CSS and Bootstrap

-The backend is handled using NodeJs and runs expressJS and uses ses Axios for seamless API interactions and used Multer to handle the audio file uploads to the google cloud

OpenAI, Deepgram Nova, NodeJS, ExpressJS, Axios, Multer, Javascript

🔗 <https://github.com/arunnats/minutes-maker>

Story GPT

Web-app that creates a story and image based on emoji input

Solo project

-Engineered a NodeJs and ExpressJs web-app with API integration, utilizing OpenAI's GPT-3.5 Turbo and DALL-E models for dynamic story and image generation, while ensuring an intuitive user experience through HTML, CSS, and Bootstrap.

-Employed Axios for seamless API interactions and made a creative application stack, leveraging EJS and Body-parser for efficient integration and enhanced user experience.

OpenAI, DALL-E, Axios, NodeJS, Javascript, HTML, CSS

🔗 <https://github.com/arunnats/StoryGPT>

Skills

HTML

CSS

JavaScript

Python

C

C++

MySQL

NodeJs

MongoDB

ReactJs

EJS

AWS

Google Cloud Services

Certifications

Web Development Bootcamp

Udemy: Dr Angela Yu

27-12-2023

🔗 <https://www.udemy.com/certificate/UC-19e77400-4275-4286-82b7-d6ff1fd30f2a/>

Languages

Tamil

Mother Tongue

🟢🟢🟢🟢🟢

English

Native speaker

🟢🟢🟢🟢🟢

Hindi

🟢🟢🟢🟡🟡

Malayalam

🟢🟢🟡🟡🟡

French

🟢🟢🟢🟡🟡