Arun Natarajan

Summary

I am Arun Natarajan, a dedicated coder, writer and designer. Born and brought up in Dublin, Ireland and currently living in Ooty, Tamil Nadu, my journey has been one of continual adaptation and growth.

Currently pursuing Computer Science Engineering at NIT Calicut, my academic prowess is exemplified by consistently securing top positions in school board examinations. Beyond the classroom, I channel my passion for technology by crafting innovative applications and websites during my free hours. I am also an avid reader and a fitness enthusiast.

Education

| National Insititute of Technology Calicut | St Josephs Academy | St Joseph's Academy |
|---|----------------------------|---------------------|
| Computer Science and Engineering | 98.4% | 95% |
| 8.19 CGPA | School and district topper | School topper |
| B.Tech | ISC - 12th Grade | ICSE -10th grade |
| 2022-2026 | 2022 | 2020 |
| | | |

Projects

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 OpenAl API integrations, users can get personalized recommendations
- javascript, MongoDB, OpenAI, python, nodeJS, fuseJS
- https://github.com/arunnats/movie-match

Team Project - Backend Lead

Harvest Buddy

Movie Match

Built at Bit N Build International Hackathon finale

-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 OpenAl language models

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

- -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

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

- OpenAl, 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.

and enhanced user experience. OpenAI, DALL-E, Axios, NodeJS, Javascript, HTML, CSS

https://github.com/arunnats/StoryGPT **MagCom Website**

A website that acts as a submissions site, newletter signup site and archive

Solo Project -Developed a dynamic archive resembling a newspaper using EJS and CSS, powered by ExpressJS and NodeJS.

- -Implemented a login system using passportJS for administrators to manage content to the MongoDB database with a user-friendly GUI. -Created a newsletter sign-up page and a submissions page for the magazine.
- Javascript, NodeJS, MongoDB, HTML, CSS, passportJS
- unb_{OS}

Debian based operating system

Project lead -Debian based Linux distribution focused on safety and ease of use for new users learning computer engineering . -Includes most common packages and applications used by an engineering student built in

-Built a startup app using python 3 GTK libraries which allows students to choose the packages they require and to customize their install

experience Linux, Distro, GTK

Skills

| HTML | CSS | JavaScript | Python | С |
|------|-------|------------------------------|---------|---------|
| C++ | MySQL | NodeJs | MongoDB | ReactJs |
| EJS | AWS | Google Cloud Services | Dart | Flutter |

Certifications

Web Development Bootcamp Udemy: Dr Angela Yu

English

27-12-2023 https://www.udemy.com/certificate/UC-19e77400-4275-4286-82b7-d6ff1fd30f2a/

Tamil

Languages

Hindi

| Mother Tongue | Native speaker | | |
|---------------|----------------|---------------------|--|
| | | | |
| | | Student Involvement | |

Computer Science and **Engineering Association** Excecutive

| -Designed and wrote |
|---------------------------|
| articles published on the |
| website and Instagram |
| page |
| |

Club Writer, Tech T -Desig article

Literature and Debate

| Club |
|--------------------------|
| Writer, Designer and |
| Tech Team |
| -Designed and wrote |
| articles published on th |
| website and Instagram |

page and participated in

debates and speeches

the

| Magazine Committee |
|-----------------------------|
| Editer and Tech Team |
| Head |
| -Created MagCom |
| Webstite |
| |

| eam | |
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Committee **Executive Designer** Created brochures for expo committees and designed posters for the

various events

Tathva Design

Malayalam

FOSSCELL NITC Excecutive

French

-Volunteered at the Linux installation drive

-Volunteered to teach at "

organizing committee of

Git and Github basics"

-Participated in the

workshop

FOSSMEET