AJITH S

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🌐 **ajith-s.vercel.app**

EXPERIENCE

Internship Program at Elsys Labs Pvt Limited   May 2024 - June 2024

- Has successfully completed a one–month internship program in Custom AI Agent Development and Language Proficiency at Elsyslabs Online, spanning from 02 May 2024 to 04 June 2024.
- Developed AI agents for social media outreach to engage users by providing real–time, personalized responses about discount offers and products, enhancing user interaction and conversion rates.

IT Career Program at Faith InfoTech Academy   October 2023 - May 2024

- Completed IT Career Program at Faith InfoTech Academy, Technopark with specialization in Full Stack Python,Django with Angular and Data Science And Machine Learning. Training included basics of programming using Python,Database using Oracle and MySQL,Web application using python Django Framework with Angular

FULL-STACK WEB DEVELOPMENT EXPERTISE

- **Programming Languages** : Python,C++
- **Frontend Technologies**   : HTML/CSS, JavaScript
- **Frontend Frameworks**   : Angular 10, React Js,Next Js
- **CSSFrameworks**   : Bootstrap,TailwindCSS
- **Web Frameworks**   : Django, DjangoRESTFramework,FastApi
- **Database**   : Oracle , MySQL, MongoDB
- **ORM**   : DjangoORM
- **APIs&Tools**   : RESTfulAPIs , FastApi , Postman
- **Authentication and Authorization** : DjangoAuthentication ,FirebaseAuthentication JWT(JSONWebTokens)
- **VersionControl**   :Git, Github

DATA SCIENCE AND MACHINE LEARNING EXPERTISE

- **Data Manipulation and Analysis** : NumPy, Pandas
- **Data Visualization**   : Matplotlib, Seaborn, Power BI
- **Machine Learning Libraries**   : Scikit-learn,TensorFlow,Keras
- **StatisticalAnalysis**   :SciPy
- **WebScraping**   :ScraPy
- **IDE**   : PyCharm, Jupyter Notebook, Google Colab

LIVE INTERNSHIP PROJECT/MACHINE LEARNING PROJECT IN AI/ML

AI-Powered Social Media Engagement Agent

worked on a machine learning project where I developed an AI agent for the website Intelligage. The primary goal was to create an AI agent that engages users on social media by providing real-time, personalized responses about discount offers and products. Here are the key aspects of my project:

- **AI Agent Development**: Utilized Natural Language Processing (NLP) and Large Language Model (LLM) prompting to create an AI agent capable of generating human-like, contextually relevant responses. The agent was programmed using the AI Programming Language (AIPL).
- **Integration**: Integrated the AI agent with social media platforms to enable seamless user interaction and real-time data processing.

FULL-STACK WEB DEVELOPMENT PROJECTS

Clinical Management System (CMS) Development: Angular ||2024

As part of the clinical management system project, I spearheaded the development of modules dedicated to staff, medicine, test, and patient management. By systematically organizing personnel data, medications, and diagnostic tests, I significantly streamlined healthcare administration processes, ensuring efficiency and accuracy. Moreover, the system centralized patient records, facilitating seamless access to critical information and enhancing care continuity. In addition, I optimized appointment scheduling procedures,contributing to improved patient care delivery

Front End : Angular using HTML, CSS and Bootstrap.
Back End : Http Get and Post API using Django REST Framework.
Database : MySQL with Joins, CRUD operations, Normalization.
Role : designed user interfaces with Angular, created a normalized MySQL database schema , and built RESTful APIs using Django REST Framework. I conducted debugging, unit testing, and integration testing to ensure system stability and reliability. Additionally, I integrated the Pharmacy Management Module with other components for cohesive user experience.

Web Application: OTT Platform || 2023

A**n Application for On Demand video playing similar to Amazon Prime Video, Netflix etc. Sub modules of- content management, content creator management and user management**.

Front End : HTML, CSS, Bootstrap with Django Templates
Back End : Django MVT backend with Django ORM.
Database : MySQL with Django ORM.
Role : Using Django's MVT framework and Django ORM with a MySQL database, I was responsible for incorporating content creators, managing platform content,and ensuring it met high-quality standards. The front-end components used HTML, CSS, Bootstrap, and Django Templates. I also played a part in user management, focusing on creating a seamless user experience.

To-do Application || React || 2024

Description: Directed the creation of a todo application employing React, FastAPI, and MongoDB. Oversaw both frontend and backend development, implementing core features like task management.

Front End : React (HTML, CSS, JavaScript)
Back End : FastAPI (Python)
Database : Database: MongoDB

ATOM IAS Online Learning Platform : NextJS || 2024 (https://www.atomias.com)

A**s a front-end developer for the ATOMIAS Online Learning Platform, developed core modules for Admin, Mentor, and Student, enabling role-based access to online learning resources and assessments. Designed and implemented a user-friendly dashboard using Next.js, with secure JWT-based authentication to ensure data integrity and secure session management. Leveraged Tailwind CSS and shadcn to create responsive and engaging interfaces, enhancing the overall user experience. Focused on performance optimization and adherence to best practices throughout development.**

Front End : Next Js
Authentication : Firebase,JWT authentication
Styling : Tailwind CSS
Components : shadcn

EDUCATION

BSc PHYSICS AND COMPUTER APPLICATION
UNIVERSITY OF KERALA (2023)

- Government College Kariavattom
- 6.5 CGPA
- 2020 - 2023

STRENGTHS AND INTERESTS

- TechnicalSkills :Programming, Problem Solving Logical and Analytical Skills
- PersonalSkills : Time Management
- Interpersonal : Team Player