SIDDHARTH PRAKASH

PES University, Bangalore

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EXPERIENCE

Freelance Web Developer, Trekzo Resources Pvt Ltd   Jun 2024 - Jul 2024
- Created a Bootstrap landing page for the organization, boosting lead generation by 30%.

AI Intern, LogoJech Technologies   Jun 2023 - Jul 2023
- Revamped a facial recognition system using OpenCV and d-lib also reduced memory by 20%
- Integrated model with AWS DynamoDB for data storage and designed a face liveliness
check feature for Android improving security by 40%

Project Research Associate, Sports Technology and Analytics Research Centre   Jun 2023 - Aug 2023
- Coordinated Monte Carlo simulation and ML to predict football match outcomes, analyzing
over 25,000 matches and 10,000 players and created a user interface for data exploration

PROJECTS

Advanced MultiModal Intelligent Agent (AMMIA): Github

- Engineered a multi-functional AI system utilizing Mistral for sophisticated querying and document parsing, and CodeLlama for code generation
- Parsed 100+ complex PDF documents, constructed a vector store index with 95% retrieval accuracy and generated Python scripts with over 60% efficiency

LLAMA3.1-70B Powered AI Content Curator for X in GenAI, LangChain, and CrewAI Github

- Developed an advanced AI content curation system utilizing the LLaMA3-70B model via Groq API. Implemented a bot to discover, analyze, and share the latest in Generative AI, LangChain, and CrewAI on X.Does 5 tweets at a time and has 3 agents for it and used CrewAI to power up the whole project

Next-Gen Multimodal Conversational AI System: Github

- Architected a state-of-the-art AI voice assistant integrating Google Speech Recognition, pyttsx3, and OpenCV. Leveraged the Llama3 model via Ollama for advanced AI responses with 98
- Employed LangChain to manage and contextualize conversation history, improving user interaction by 85%

Algorithmic Navigation Visualizer: Github

- Developed an innovative React-based platform for visualizing 2 complex path finding algorithms
- Enabled Dijkstra's and A* Algorithms, offering insights into the processes for determining the shortest path between grid points

ShadowSpeak (Advanced Real-Time Chat System): Github

- Programmed a sophisticated chat application using Socket.IO for seamless WebSocket communication
- Facilitated multi-client connections handling over 500+ concurrent users with zero latency and Enabled users to converse anonymously or with identities revealed

MLTrader: A Machine Learning Trading Bot: Github

- Created an automated trading bot using FinBERT for sentiment analysis and executed trades on Alpaca and back tested strategies with Yahoo Finance, improving trading accuracy by 40%

Mnist-GAN: Github

- Devised a GAN model to generate numbers from the MNIST dataset with 90% visual accuracy

EDUCATION

Bachelor Of Computer Science, PES University   Oct 2021- Apr 2025

SKILLS

Languages	C, C++, Java, SQL, HTML, CSS, JavaScript, Python
Business Development	Marketing, Sponsorship, Strategy, Finance
Libraries	TensorFlow, Next.js, CrewAI, Keras, React.js, Node.js, PyTorch, NumPy, Pandas
Tools	Docker, Kubernetes, Git, GitHub, Jenkins, AWS, Maestro
Soft Skills	Team Leadership, Project Management, Effective Communication

EXTRACURRICULAR ACTIVITIES

- Head Of Sponsorship and Marketing SHUNYA, IEEERAS, WEAL combined together hosted 7 hackathons and procured combined sponsorship of more than INR 10Lakh+

- Lead Photographer PIXELLOID Shot for more than 20+events and Officially for Royal Enfield launch event, check out all the work

- SME Intern, Sahai India:Increased Instagram followers by 10% through hashtag optimization and boosted website traffic by 20% via LinkedIn strategy

CERTIFICATES

- Tensorflow 2.0: Deep Learning and Artificial Intelligence Certificate

- HackerRank C Language(Intermediate) Certificate

- LFD103: A Beginner's Guide to Linux Kernel Development Certificate

- Hacktoberfest 2022: Level 4 Badge

- Supervised Machine Learning: Regression and Classification Certificate

- AWS Educate Getting Started with Serverless Certificate

- AWS Educate Getting Started with Networking Certificate

- AWS Educate Getting Started with Compute Certificate