Arjun P

+919074353513 | My Portfolio | arjunajju2004@gmail.com | linkedin.com/in/arjunp1524 | github.com/arjun2004

Education

Mar Baselios College of Engineering and Technology Nalanchira, Trivandrum, Kerala,India
BTech. Computer Science and Engineering with Artificial Intelligence *2022 – 2026*

Experience

AI Trainee – Intel® Industrial Training Program March 2025 – Present
Intel® Unnati (Remote)

- Engaging in a comprehensive AI training program led by industry experts, emphasizing applied machine learning and deployment techniques
- Collaborating with team members on a hands-on GenAI capstone project, receiving guidance and mentorship from Intel engineers.
- Gaining practical experience in model optimization, deployment pipelines, and applying AI solutions to real-world challenges.

Web Developer Intern March 2025 – Present
Obsidyne Co. (Remote) *Trivandrum, Kerala*

- Familiarity with frontend frameworks like React.js,Next.JS and ElectronJS
- Experience in converting Figma designs into fully functional web pages.
- Utilized Tailwind CSS's utility-first approach to rapidly style components with minimal custom CSS.
- Built fully responsive UIs using Tailwind's mobile-first breakpoints and grid/flex utilities.

CyberSecurity Intern December 2024
ICT Academy of Kerala *Trivandrum, Kerala, India*

- Conducted detailed network reconnaissance using Nmap to identify open ports, running services, and OS fingerprints across internal and external networks.
- Analyzed scan results to detect common vulnerabilities such as outdated services, exposed ports, and weak configurations.
- Used Metasploit for exploitation of known vulnerabilities (e.g., MS08-067, EternalBlue) in lab environments to simulate real-world attack vectors.
- Performed end-to-end exploitation including scanning, enumeration, payload generation, and gaining shell access on target systems.

Projects

Kudukka – AI-Powered Crypto Investment and Staking | *Python, Web3, ReactJS*

- Developed an LSTM-based deep learning model to forecast future cryptocurrency prices (e.g., BTC, ETH) using historical time series data.
- Collected real-time tweets using Twitter API and performed sentiment analysis using a hybrid model combining LSTM (for text context) and VADER (for polarity scoring).
- Enhanced sentiment prediction accuracy by fusing deep contextual understanding (LSTM) with rule-based scoring (VADER) to detect market mood shifts.
- Built a decision logic layer to recommend the most promising cryptocurrency based on predicted price trends and public sentiment alignment.
- Working Demo

EduLlama - AI Powered Learning Assistant | *Python, OpenCV, Tensorflow, Streamlit, GenAI* March 2025

- Developed a real-time student engagement detection system using OpenCV and FER, with adaptive thresholding and pop-up alerts via Tkinter/Streamlit for disengagement notifications.
- Built an interactive Q&A feature by integrating PyPDF2, OpenRouter API, and voice input/output using SpeechRecognition and pyttsx3.
- Integrated a customizable Pomodoro timer with session tracking and audio cues to enhance study productivity.
- Designed a Streamlit-based web interface and conducted unit testing with full documentation of APIs and system configuration.

Personal Portfolio Website | *ReactJS, TailwindCSS, Typescript*

- Designed a fully responsive website using ReactJS, Tailwind & Typescript to ensure optimal viewing across all devices

Mileage Prediction using Different ML Models | *Python, Machine Learning*

- Predicted Mileage of the cars using different Machine Learning Algorithms
- Repo Link

Technical Skills

Languages: Python, C/, SQL (MYSQL), JavaScript, TypeScript, HTML/CSS
Frameworks: React, Node.js, ElectronJS, TailwindCSS, FastAPI, MetaSploit
Developer Tools: Git, Linux, Bash, VS Code, PyCharm
Machine Learning & AI: pandas, PyTorch, NumPy, Matplotlib, Tensorflow, Sklearn, Prompt Engineering, LLMs (LLaMA 3, Mistral)