Maanasa Prathap Chander

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EDUCATION

Madras Institute of Technology, Anna University   **Chennai, Tamil Nadu**
B.E Computer Science and Engineering   *Sept 2022 - Present*
- Cumulative GPA : 7.91/10.0

GEMS Our Own English High School   **Dubai, UAE**
(Affiliated to Central Board of Secondary Education)   *Apr 2022*
- Higher Secondary Percentage : 91.00 ; Score : 455/500
- Senior Secondary Percentage : 91.40 ; Score : 457/500

PROJECTS

Virtual Realities: 3D Web-Spaced, Blender-Modeled, Animated Portfolio ↗   (03/24-07/24)
- Engineered an **interactive 3D web-application** to model a **realistic 3D office environment, animated a custom avatar** using advanced rigging and animation techniques.
- Optimized **the website for mobile platforms by adjusting the view port dimensions**
- **Languages used**: HTML, CSS, JavaScript, React Three Fiber, Three.js, Tailwind CSS

MarketPro: Advanced Stock Forecasting ↗   (09/23-11/23)
- Revamped a stock price prediction project that involves **estimating future stock prices** based on historical data in an **Anaconda Environment**
- Engineered and deployed predictive models that analyzed customer behavior patterns, resulting in a **25 per cent** increase in **targeted marketing conversion rates** and **enhancing overall campaign effectiveness**
- **Languages used**: Python
- **Tools Used**: Jupyter Notebook, Anaconda Environment

ESP32-CAM Enhanced Autonomous Security Patrol Car ↗   (09/23-12/23)
- Built a project that involves building a **remote-controlled car** equipped with a camera for **surveillance purposes**.
- Allows users to remotely control the car over **Wi-Fi, view live video footage** using **ESP32 libraries**
- Implemented **WebSocket protocols** to facilitate seamless, **real-time exchange of data**
- **Languages used**: C++, Arduino Frameworks

ElectroSpin: LED Roulette in Action ↗   (09/23-11/23)
- Developed an **electronic roulette wheel simulator**
- It functionality of a traditional roulette wheel using a microcontroller-based circuit..
- The simulator consists of an **array of LEDs** arranged in a circular pattern to represent the numbers on a roulette wheel
- **Tools Used**: LED array, Micro-controller Unit, PCUs, PCBs

TECHNICAL SKILLS

- **Programming Languages**: C++, C, Embedded C, Python, Java
- **Database**: Oracle SQL , MySQL, PySpark SQL
- **Miscellaneous Technologies**: PyTorch, Scikit-learn, TensorFlow
- **Web Development Technologies/Frameworks**: HTML, CSS, JavaScript, MERN, React Three Fiber, Three.js, React Native, Tailwind CSS
- **3D Graphics and Game Development**: Blender, Unity, Unreal Engine

CERTIFICATIONS

- **J.P. Morgan** - Software Engineering Job Simulation ↗

SCHOLASTIC ACHIEVEMENTS AND POSITIONS OF RESPONSIBILITY

- **UI-UX DEVELOPER - Web Team of Personality Development Association** of MIT, Anna University *(09/2023 - present)*
- Active Member of **Web Team – TED Club of MIT** of MIT, Anna University *(06/2024 – present)*
- Member of **Internal Affairs – Anna University Entrepreneurship Club** *(09/2023 - present)*
- **1st Runner Up in 14th National Cognitive Arithmetic** and listening skills Competition, 2017 (UAE)
- **3rd Placing** in **21st International Cognitive Arithmetic Competition**, 2016 (UAE)