Prasanna D

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SUMMARY

• I'm Prasanna, who has an insatiable desire to learn and grow. I am an ECE graduate and am seeking an opportunity where I can showcase my skills and provide value. Prasanna is a dynamic and tech-savvy enthusiast with a passion for the world of Web3, adept at leveraging cutting-edge technologies to drive transformational solutions.With a solid foundation as a developer, analyst, and engineer with expertise in javascript, python, AI and ML collaborative data science, web development, and full-stack and cloud applications to create immersive user experiences and solve complex challenges.My collaborative mindset, strong problem-solving skills, and agile approach make me an ideal person for driving impactful change in the digital realm. With a hunger for staying ahead of the learning curve and a commitment to pushing boundaries, I am poised to make productive waves in the tech industry and reshape my future.

EDUCATION

NPR College of Engineering and Technology **Aug 2019 – Jun 2023**
*BE - ECE - **CGPA - 8.33(upto 7th Sem)*** *Natham, Dindigul.*

Devangar Hr Sec School **Jun 2018 – Mar 2019**
*HSC - Bio Mathematics - **Percentage - 76%*** *Chinnalapatti, Dindigul*

Devangar Hr Sec School **Jun 2016 – Mar 2017**
*SSLC - **Percentage - 94%*** *Chinnalapatti, Dindigul*

SKILLS

- Web Developement
- Full Stack Developement
- App Development
- Artificial Intelligence
- Machine Learning
- Data Science
- Data Analyst
- Internet of Things
- UI
- Version Control
- Database Management Systems(DBMS)
- Web Servers and Deployment(CLOUD)
- Agile Methodologies
- Problem Solving and Troubleshooting
- Collabaration and Communication

PROJECTS

Discord Web 3.0 Real-Time Decentralized Chat App | NextJS Blockchain Gun.js **Present**

- Building a Web 3.0 Application with Next JS and styling app using Modular CSS.
- Setup and run a decentralized database node with Gun.js and adding Web 3.0 authentication using MetaMask.
- Storing the tweets and users in Sanity.io, deploy and host the app on Vercel.

IoT Industry Waste Water Monitoring System | Blynk IBM Cloud ESP32 Picokit **May 2023**

- Developed both hardware and software models for monitoring waste water through web application.
- pH, Turbidity sensors collects water contamination and pH levels via ESP32 directly send it to the cloud.
- Integrated IBM cloud used to monitored the data and web application.
- Alerting the authorities if water quality its not good so they check and prevent the release of harmful water in the land.
- Download

Web Phishing Detection | Python Scikit-learn BeautifulSoup Pandas Flask IBM Cloud **Feb 2023**

- Developed a demo website using Python,Flask with Machine learning predictive model.
- Explored a dataset(inputScript) to understand its structure using Pandas and necessary libraries for data analysis and data visualization.
- Implemented the Machine Learning algorithms like Random Forest, Feature engineering, extraction to train the data and trained model tested using F1 Score.
- Deployed it for real time web application and created an API end point for making predictions via IBM Watson Cloud platform.
- Accomplished predictive model performance predictions outperformed with accuracy of 96.77 percentage in a real world settings.
- Demo Video

Real Time Covid 19 Tracking Website | HTML5 CSS3 Javascript **June 2022**

- Built a real time Responsive Website of Covid-19 stats using HTML, CSS, Javascript.
- JavaScript's fetch API can be employed to retrieve data from the API endpoints and update the website accordingly.
- Used jQuery, Chart.js for data manipulation and visualization including statistics like death,cases,recovered.
- Provided accurate and up-to-date information about the pandemic in an user friendly accessible.

INTERNSHIPS

Bharat Intern **May 2023 – Jun 2023**
Data Science Intern *Remote*

- Demonstrated Long Short-Term Memory (LSTM) neural networks to predict stock prices. The data is loaded from a CSV file, preprocessed, split into training and testing sets, and an LSTM model is created using the TensorFlow library.
- Predicted the survival outcome of passengers aboard the Titanic using machine learning techniques.Model selection is made using a Decision Tree classifier and Random Forest and XGBoost algorithms.
- Implemented of a neural network-based system for recognizing handwritten digits. It is trained on the MNIST dataset and evaluated on a test dataset.

Tessolve **Jan 2023 – Jun 2023**
Embedded IoT Project Trainee *Remote*

- Designed hardware kit for prenatal care. Integrated sensors, to collect vital signs data including heart rate, body temperature, fetal movements and kickcounts.
- Implemented a secure data transmission to transmit the collected health data from sensors to a cloud server for storage and analysis.
- Developed a user-friendly mobile interface using Blynk IoT for pregnant women to view their health data, receive personalized insights, and track their progress throughout the pregnancy.

Spacescan **Mar 2022 – Feb 2023**
Junior Software Developer and Community Leader *Remote*

- I honed my programming skills in JavaScript, ReactJS, NextJS, and API dB management.
- I have hands-on experience working with Object Oriented JavaScript (OOJS), JavaScript libraries, and ReactJS, NextJS, enabling me to build complex and interactive web applications.
- As a Community Leader, I have been responsible for creating content and search engine optimization(SEO) of website, overseeing the development of the company's online community.

TECHNICAL SKILLS

Languages: Python, Javascript, C, SQL(Postgres,MySQL), Typescript, HTML/CSS

Frameworks: Flask, React, NextJS, Node.js, Git, MongoDB, DBeaver, Truffle, Docusaurus, Material-UI, Bootstrap, FastAPI(RestAPI), Framer

Libraries: numPy, Pandas, Keras, Seaborn, Matplotlib, Tensorflow, Scikit-learn, Tableau

ACHIEVEMENTS

Project on Web Phishing Detection **Feb 2023**
About *Remote*

- Successfully finished my project and got secured first place in my domain applied data science provided by ICT Academy at IBM Nalaiya Thiran.
- Utilized machine learning algorithms, including random forest and gradient boosting, to train and optimize a predictive model for identifying phishing websites.
- Achieved an impressive accuracy rate of 96 percent in detecting and flagging potential phishing websites, significantly reducing the risk of cyber threats for end-users.

Presentation for TECHgium | **VoxelNet TensorFlow OpenCV LiDAR** **Feb 2023**
About *Remote*

- My idea selected for presentation round in TECHgium challenge named Identifying a similarity pattern in a 3D LIDAR point cloud among 473 colleges around the world.
- Implemented VoxelNet algorithm used to End-to-End Learning for Point Cloud Based 3D Object Detection.
- Experimented on KITTI dataset detection data shows VoxelNet outperforms the LiDAR based 3D detection methods by a large margin 81.97 and birds eye view detection by 89.60 percent.

CERTIFICATIONS

- Data Science using Python – TNSDC - Naan Mudhalvan - Pantech
- Embedded systems with AI and IoT – NSIC - Govt of India
- AI for India – GUVI - IITM Research Park
- Face Recognition App using Python – GUVI - IITM Research Park
- Responsive Web Design – freeCodeCamp

INTERESTS

- Web3
- Prompt Engineering
- NFT - Metaverse Platforms
- Blockchain
- AR - VR - Extended Reality
- Digital Twin
- Data Science
- Cross Platform Applications
- Natural Language Processing

LANGUAGES

- Tamil
- English

DECLARATION

• I hereby declare that the information provided in this resume is true and accurate to the best of my knowledge. I understand that any false statements or misrepresentations may result in disqualification from the hiring process or termination if employed. I am confident in my abilities and eager to contribute my skills and expertise to make a meaningful impact in a challenging and dynamic work environment.