

SHREYAS PATIL

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EDUCATION

George Mason University
Master's in Computer Science
GPA: 3.53/4.0

Fairfax, Virginia
August 2022 - May 2024

University of Mumbai
Bachelor's in Computer Engineering
CGPA: 9.02/10.0

Mumbai, India
August 2018 - May 2022

SKILLS

Programming and Markup Languages: Python, C, Java, HTML, CSS, JavaScript, PHP

Frameworks and Databases: React.js, Node.js, MongoDB, Express.js, Socket.IO, Flask, SQL(MySQL, PostgreSQL)

Libraries: Bootstrap, Pandas, Scikit-Learn, NLTK, OpenCV, PyTorch

Tools and Platforms: Git, GitHub, FIGMA, Vite, Postman, Visual Studio Code, JWT, Google Colab, XAMPP

EXPERIENCE

The Sparks Foundation | Web Developer Intern - Remote

July 2021 - August 2021

- Established an application to transfer money between users in the database using HTML, CSS, JavaScript, PHP, and MySQL.
- Designed and implemented user-friendly activities, including Home, Transfer Money, and Transaction History, enhancing the application's functionality and usability.

PROJECTS

AidenWorld: Amusement Park | Node.js, Express.js MongoDB

- Created a responsive website for an amusement park, featuring a Home Page, Ticket Booking, Merchandise, and Payment.
- Implemented a secure login and signup system, seamlessly integrating with MongoDB for efficient data storage and retrieval.

Multiplayer Connect Four with secure authentication | React.js, Node.js, MongoDB, Socket.IO

- Developed a full-stack Connect Four game in React with secure authentication and CRUD(Create, Read, Update, Delete) operations in the database for different functionalities.
- Implemented PBKDF2 algorithm with HMAC_SHA256 to enhance security, utilizing unique salt and slow hashing for data protection.
- Integrated real-time gameplay features using WebSockets, ensuring smooth and interactive multiplayer experiences.

Music Player | HTML, CSS, JavaScript, PHP, MySQL

- Developed a comprehensive music player application enabling users to search, play, and download music in the browser.
- Integrated the YouTube API to fetch music data and utilized PHP-cURL for efficient web scraping, ensuring access to a vast library of music content.

Sarcasm Detection Using Dynamic Routing Transformer | Python, PyTorch

- Detected sarcasm in 24,635 texts with images by observing the incongruity between them using BERT and RoBERTa LLMs.
- Performed cleaning, preprocessing as well as robustness and multilingual testing with accuracies of 69-73%.
- Achieved an accuracy of 93.59% in English and 72-75% accuracy in other languages like Hindi, Spanish, French, and German.

Fake News Detection | Python, NLTK, Flask

- Developed a robust Flask-based fake news detection model processing a dataset of 70,640 news articles.
- Performed data preprocessing, extraction, cleaning, and exploratory data analysis on the news dataset, to ensure reliable results.
- Employed various machine learning algorithms, achieving accuracy rates ranging from 87.04% to 83%.

ACHIEVEMENTS

- Participated in the SRIJAN Project Competition organized by Ramrao Adik Institute of Technology in June 2021.
- Qualified for the Final Round (6 of 40 groups) of the TECHATHON held by Ramrao Adik Institute of Technology in June 2021.

CERTIFICATIONS

- The Complete 2024 Web Development Bootcamp
- Python For Data Science and Machine Learning Bootcamp

Udemy
Udemy