Pranav Srivatsav

A B.Tech. Computer Science student and a passionate programmer with a good grasp on data structures and algorithms. Looking for a role to develop industrial knowledge and learn from experienced team members to enhance my knowledge and skills.

✉ srivatsavpranav@gmail.com
🌐 **personal site**
linkedin
github

EXPERIENCE

Back-End Developer Intern @ CDATS

MARCH 2021 - SEPTEMBER 2021

- Led a team of 6 members to deliver competitive web applications.
- Worked on an SQL database and PHP based server-side script to add new instruments and respective functionalities in the database and the web-application.
- Day to day involved fixing bugs and adding new functionalities to the web-application.

Mentor and Teaching Assistant @ Coding Ninjas

JUNE 2021 - OCTOBER 2021

- Mentored a group of 100+ students who took up a course of Data Structures and Algorithms in Python.
- Solved 1200+ doubts and debugged codes written by students.
- Day to day involved debugging code written by students, giving them insights as to how their solutions could be optimized and connecting with them via video chat to teach them DSA concepts.

PROJECTS

Neuro-Evolutionary Bot

A model evolved using the NEAT(NeuroEvolution of Augmenting Toplogies) algorithm, a genetic algorithm used to evolve agent behaviour continuously at run-time and also adapt to varying environmental dynamics and environmental changes. The algorithm evolves topologies and weights over generations to build a minimal optimal neural network which is capable of flawlessly playing a given game.

Link: **https://github.com/pranav-ml/Chome_Dino_AI_NEAT**

MCTS-Based 2048 Bot

A bot built from scratch which uses the monte carlo tree search algorithm to play the classic 2048 game. The algorithm is a derivative of the mini-max algorithm and treats the randomizor of the game as its opponent only to play the game better than any human can.

Link: **https://github.com/pranav-ml/2048_ai**

Airline Booking Website(Flyver)

A flight booking website built on express and node.js for back-end and HTML/CSS for front-end. Implemented mongoDB for data management and storage.

Link: **https://flyver-379416.el.r.appspot.com/**

PROGRAMMING LANGUAGES

Proficient in -

Python

C/C++

HTML/CSS

Javascript

Familiar with-

Java

TECHNOLOGIES

Node.js, Express.js, Mongoose, Bootstrap, REST, Git, Github, jQuery, Mysql, MongoDB

CERTIFICATION

Data Structures and Algorithms in Python

The Complete Full-Stack Development Boot camp by Udemy (Instructor: Dr. Angela Yu)

Deep Learning Specialization by DeepLearning.AI

EDUCATION

SRM Institute of Technology, Kattankulathur — *B.Tech CSE*

JUNE 2019 - PRESENT(2023 Batch)

CGPA/Aggregate: 9.3 GPA

Father Agnel School, Noida — *Class 12 CBSE BOARDS*

MARCH 2018 - FEB 2019

CGPA/Aggregate: 92%