

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.

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 [Portfolio](#)

 [Linkedin](#)

 [Github](#)

EXPERIENCE

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.

Backend 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.

PROJECTS

Adaptive Path Planning Using Neuro-Evolution ([Github](#))

A model evolved to navigate in a complex environment using the NEAT (NeuroEvolution of Augmenting Topologies) algorithm, a genetic algorithm used to evolve agent behavior continuously at run-time and also adapt to varying environmental dynamics and changes. This was a research project aiming to demonstrate the ability of neuro-evolution to create ANN models which are able to solve NP-Hard problems. The project demonstrated the ability of NEAT to generate path finding algorithms (much faster and better than traditional path finding algorithms) for autonomous navigation in complex and dynamic environments.

Mandelbrot Set Visualizer ([Hosted](#))

The mandelbrot set visualizer is an interactive application that provides a powerful tool for exploring the depths and complexity of the mandelbrot set. The visualizer gives you a stunning representation of the mandelbrot set, allowing users to navigate through the fractal landscapes uncovering its hidden structures and gaining insights into its self-familiarity and infinite complexity. The application supports high precision floating point calculation and uses web workers to significantly boost calculation speeds.

Flyver - Airline Booking Website ([Hosted](#))

A full-stack airline booking web-application utilizing Node.js and Express for server-side implementation as well as HTML/ CSS and Javascript for front-end design. Employed MongoDB as a reliable and scalable NOSQL database solution to enable efficient data management and storage, leveraging its dynamic schema and document-based data modeling.

SKILLS

Proficient in-

Python

C/C++

HTML/CSS

Javascript

Familiar with-

Java

Technologies-

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

CERTIFICATIONS

[Data Structures and Algorithms in Python \(Coding Ninjas\)](#)

[Deep Learning Specialization \(DeepLearning.ai\)](#)

[Full-Stack Web Development by Angela Yu \(Udemy\)](#)

EDUCATION

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

JUNE 2019 - PRESENT(2023 Batch)

CGPA: 9.3/10

Father Agnel School, Noida —
Class 12 CBSE BOARDS

MARCH 2018 - FEB 2019

AGGREGATE: 92%