

Summary

Proficient Full Stack Web Developer with 2+ years of experience in designing and developing Web Applications. Passionate about learning new technologies such as Machine Learning and Deep Learning.

Projects

Developed a physics engine for an atari game on a webpage

Developed a portfolio webpage using ReactJS & Redux that also had an inbuilt atari game, fully developed using JavaScript. No libraries were used as the game engine was built from vanilla JavaScript from scratch.

- Technologies Used: ReactJS, Redux, JavaScript, PWA
- Optimized the performance of the website to perform 200% faster than traditional html sites

Built a bot for discord using NodeJS

Created a bot for an online social media platform that uses Rest APIs and MongoDB to serve various commands.

- Technologies Used: NodeJS, MongoDB, Restful APIs
- Fetches and stores data in a cloud database using MongoDB
- Uses Restful APIs for fetching the required data

Developed a website for a local pizza shop

Developed a static website for a local pizza shop situated in Pune. Improving their sales by 350%, also with perfect SEO, ranking #1 in google search results.





- Technologies Used: HTML, CSS, JavaScript
- Scored a perfect 100 in google lighthouse analysis
- Designed a Responsive Mobile Friendly Design


Developed a video processing algorithm

Developed an algorithm using OpenCV which processes a video of piano notes waterfall (synthesia) and returns a video file displaying the notes as text.


- Technologies Used: Python, OpenCV
- Implemented color detection to extract certain colors from each frame of the video

Social Networks

-  github.com/amantheroot
-  linkedin.com/in/aman-kumar-root
-  live:amantheroot
-  facebook.com/amantheroot

 amantheroot@gmail.com

 +91 8897482537

 Hno. 520, Asbestos Hills Colony,
Kukatpally, Hyderabad, TG 500037

Skills

- Full Stack Web Development
- ReactJS Front End Development
- NodeJS Back End Development
- MongoDB Database Development
- Restful APIs Development
- JavaScript Programming
- Python Programming
- Machine Learning
- Image Processing with OpenCV
- Active Listening
- Communication
- Problem-Solving
- Strong Work Ethic
- Cooperative
- Creative

Education

2017

St. Martin's High School

Secunderabad, Telangana
ICSE Board

- Elected Head boy of the school
- Graduated with 86%
- Won First Prize in a drama competition

2019

Narayana Junior College

Hyderabad, Telangana
MPC

- Coursework in Mathematics, Physics and Chemistry
- Graduated with 85%