MANU ARORA

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OVERVIEW

Inquisitive, energetic **Computer Science Undergraduate** skilled in leadership with a strong foundation in JavaScript, Problem Solving, Algorithms, Data Structures, Object Oriented Programming and core computer science subjects. The aim is to build products and web applications that impact millions of lives.

PROFESSIONAL SKILLS AND INTERESTS

- **JavaScript**
- **Full-stack Development (MERN stack)**
- **Front-end Development (HTML/CSS/Bootstrap)**
- **Web Development**
- **Data Structures and Algorithms**
- **Problem Solving**

EDUCATION

Bachelor of Technology (Computer Science and Engineering). UPES (Dehradun, Uttarakhand)
- Specialization: Open Source Software and Open Standards
- Overall GPA: 7.0

RELEVANT PROJECTS

Brocode – Real Time Collaborative Text Editor: A real time text editor where two persons can share screens and code on the same screen along with chat messaging system and real time video calling feature. The project is built using **Node.js** in the back-end and Socket.io for chat messaging.
Link: http://brocode-editor.herokuapp.com

Face Recognition Web Application: A Web application where a user can enter the URL of a particular image and the system will detect faces present in it. This is achieved using a Machine Learning API (Clarifai) which returns key points of the detected image.
Link: http://face-webapp.herokuapp.com

Geet – A Music Streaming Web Application: A music streaming web application like spotify which can play songs on the web and is feature rich which includes play, pause, shuffle, repeat, create a playlist, save a playlist, delete a playlist, create albums, edit account settings, Login and Registration system and more.
Link: http://www.github.com/manuarora700/music-streaming-project

SkyLine – A Hotel Renting Web Application: Built a web application through which users can rent out unique homes all around the world, apply filters while choosing a house such as price range, number of amenities etcetera.
Link: http://www.github.com/manuarora700/skyline-major

WORK EXPERIENCE

INTEL CORPORATION   June 2018 – Aug 2018
Machine Learning Intern
- Built an AI-powered project from scratch which detects potholes on a road.
- Used optimized algorithms to accurately detect potholes on highways which further alerts the driver.

• **Technologies used:** used are OpenCV, Computer Vision and Machine Learning Algorithms.

ACETERNITY   Dec 2017 – Dec 2018
Developer
• Built a Website Development and Digital marketing company Aceternity from scratch as a weekend project, deployed 10 websites and generated a revenue of Rs. 1,00,000 in the first month of release.
• Setup analytics and reports for clients regarding website performance and optimizations. Responsive design using Bootstrap and strong front-end visuals.

FREELANCING   Mar 2017 – Nov 2017
Freelance Web Developer
• Developed websites for clients via Upwork and offline marketing. Increased efficiency of websites and decreased load time by an average of 40% with the help of optimizing techniques and SEO.
• Developed responsive websites along with modern frameworks such as React.js and Node.js

OTHER RELEVANT INFORMATION

Languages: JavaScript (Intermediate), C (Intermediate), PHP (Intermediate) and Java-Core (Intermediate).
Frameworks and Tools: React.js (Intermediate), Node.js (Intermediate), HTML5/CSS3, jQuery, Bootstrap 4, MySQL (Intermediate), MongoDB (Beginner) Git and GitHub Version Control.
Strongest Areas: Data Structures, Algorithms and Algorithm Design, Problem Solving Techniques, Vanilla JavaScript and Full Stack Web Application Development.

STUDENT LIFE & VOLUNTEERISM

E-Cell, UPES – Event Head: Organized a workshop conducted by Mr Rahul Bhatnagar "We Are Entrepreneurs" held at UPES Dehradun with a total of 120 people attending the workshop for 14 straight hours. (2018)
E-Cell UPES – Organizer: Organized Global Entrepreneurship Week in UPES Dehradun. (2018)
Women Welfare Society – Web Developer: Developed a website for an NGO Women Welfare Society, Jaipur. The aim of the website was to promote the NGO, accept donations and update important information on the webpage. (2017)