**Aditya Singh Rajput**

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## Education:

**Masters in Computer Science**

George Mason University, Fairfax, Virginia                                          Aug 2021 - May 2023

*Relevant Coursework:* Analysis of Algorithms, Computer and System Programming, Operating Systems, System Model and Architecture, Database and Management Systems

**Bachelor of Technology in Computer Science & Engineering**

Guru Gobind Singh Indraprastha University, New Delhi                                   Aug 2016 - Aug 2020

*Relevant Coursework:* Data Structures, OOPs, Artificial Intelligence, Data Mining, Computer Networks, Theory of Computation, Computer Organization and Architecture

## Skills and Certifications:

**Programming Languages:** JavaScript, Python, C/C++, Java, Typescript, HTML, CSS, GoLang, Bash Scripting.
**Framework and Libraries:** Springboot, Django, React.js, Tailwind CSS, Node.js, Three.js, GSAP, Bootstrap, Framer Motion.
**Databases and Tools:** MySQL, GIT, Jenkins, Kubernetes, Rancher, Docker.
**Design and Multimedia:** Adobe After Effects, Adobe Photoshop, Adobe Illustrator, Maxon Cinema 4D, Blender, Figma, Adobe XD.
**Certifications:** Professional Core & Advanced Java

## Professional Experience:

**W3 Dev Pvt. Ltd.**, *Web Developer Intern*                                          May 2019 – Aug 2019

- Demonstrated proficiency as a full stack developer by leveraging my expertise in Python, Django, and Flask.
- Collaborated with cross-functional teams to ideate, design, and deploy new websites, from conception to launch; Contributed to updating existing websites, while seamlessly integrating complex back-end databases and services.

**Freemind Software**, *Front End Developer Intern*                                    Jul 2018 – Oct 2018

- Executed critical improvements to optimize web functionality and responsiveness utilizing advanced coding in HTML, CSS, and JavaScript (jQuery and React.js).
- Effectively transformed UI/UX design framework into polished, high-quality visual elements through skilled coding in a dynamic, fast-paced environment.

## Academic Projects:

- *"Airbnb Clone"*
    - Developed a comprehensive full stack web application using Next.js, React.js, Tailwind CSS, Prisma, MongoDB, NextAuth.js, and Cloudinary CDN with Google and GitHub authentication.
    - Utilized industry-standard best practices to create a fully responsive, dynamic, and user-friendly Airbnb clone that can handle all real-world scenarios.
- *"Sum-Up Tool"*
    - Engineered a robust article summarizer using OpenAI's GPT model.
    - Demonstrated expertise in React.js, Vite, Tailwind CSS, and Redux Toolkit Query requests while creating a responsive, beautiful UI/UX with glass morphism.
- *"3D Product Website"*
    - Crafted a Three.js 3D product website with AI integration by utilizing React.js, React Three Fiber, Tailwind CSS, and Framer Motion.
    - Acquired proficiency in the implementation of 3D graphics libraries, and DALLE AI to generate images.
- *"Linux CMD-Line Tools"*
    - Constructed a framework to streamline command-line tools by creating a Directed Acyclic Graph.
    - Operated GoLang to parallelize data processing via the DAG, resulting in significant performance improvements.
- *"Farmer Voice Bot"*
    - Devised a voice-enabled conversational AI bot to assist farmers in resolving their queries effectively.
    - Leveraged Python and its advanced libraries to retrieve responses and convert them into the farmers' preferred local language.