

RAJ SINGH

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SUMMARY

A trailblazing B.Tech student in Information Technology, I spearhead Augmented Reality and Virtual Reality ventures. Empowered by adept version control mastery, I craft revolutionary experiences reshaping digital landscapes.

EDUCATION

B.Tech, Information Technology

Graduating May 2027

Dr A.P.J Abdul Kalam Technical University, Lucknow

KIET Group Of Institutions, Ghaziabad, U.P

Relevant coursework: 3D Modeling and Animation, Computer Graphics, Human-Computer Interaction, AR/VR Ethics and Social Implications

TECHNICAL SKILLS

Augmented/Virtual Reality: web-AR, google-AR-Core, spark-AR, unity, SparkAR

libraries: Three.js, AR.js

Programming: C, C++, C Sharp, HTML5, CSS3, Javascript

Certifications: B.V.C.O.E. Hackathon: 1st runner up, showcasing innovation and collaboration.

ACADEMIC PROJECTS

HeiwaHabu

It is a stress management website which deals with mental health care.

- Personalized Stress Management: Customized tools and techniques catered to individual needs, fostering resilience and empowering users to effectively manage stressors in their lives.

Virtual Meeting Spaces

Create customizable virtual meeting rooms where team members can gather.

- Implementation of spatial audio technology to simulate realistic sound environments, allowing users to hear voices and sounds coming from specific directions within the virtual space.

Devil Filter

A Devil Face Filter in Spark AR Studio by adding horns

- The devil filter starts with face tracking, where the AR effect detects and tracks the user's face in real-time. Spark AR provides built-in face tracking capabilities to anchor digital content to specific facial features like the eyes, nose, and mouth.
- Once the user's face is tracked, the filter identifies key facial features such as the eyes, mouth, and eyebrows. These features are crucial for applying digital transformations and animations accurately.

T-shirt Filter

Spark AR filter where a virtual T-Shirt appears on the user's body using full-body tracking

- T-shirt filters rely on body tracking to detect and follow the user's torso movements. Spark AR provides body tracking capabilities that allow developers to anchor virtual objects to specific parts of the user's body, such as the torso.
- Creating or importing 3D models of T-shirt designs.

ACTIVITIES

FOSSCU-KIET

core AR/VR chad member at open-source community

- Developed and deployed full-stack web applications using HTML, CSS, and JavaScript; optimized website loading time by 40 percent through efficient code implementation and caching techniques.
- participated at Innogeeks Winter Of Code 2.0
- Embarking on the frontier of blockchain and Web 3.0, poised to catalyze innovation and redefine digital landscapes.