

# Aakarsh Singh

aakarsh@nyu.edu | +1 (469) 844-1394 | [aakarsh.dev](http://aakarsh.dev)

## EDUCATION

---

<b>New York University</b>	<b>May 2025</b>
<b>B.A. in Interactive Media</b>	<b>GPA: 3.92/4.0</b>
Minors in Computer Science, Sound-Music Computing, and Art History	
<b>Relevant Coursework:</b> VR/AR Development, Web App Development, Algorithms, Data Structures, Discrete Mathematics, Natural Language Processing, Calculus, Game Development	

## EXPERIENCE

---

<b>Callback</b>	<b>May 2024 - December 2024</b>
Fullstack Software Engineer	Tokyo, Japan/Remote
<ul style="list-style-type: none"><li>Deployed a customer main site with a user leader-board, leading to an <b>increase in weekly active users from 25 to 250</b> over a 3 month period using <b>Next.js, Typescript, Express.js and Firebase</b>.</li><li>Designed and implemented a scalable social networking API , facilitating in-app user profile creation and friend connections, boosting <b>app engagement by 100% within one month</b>.</li><li>Engineered an enterprise dashboard that streamlined data visualization for clients, integrated Stripe payouts and sent weekly automated reports, resulting in a <b>200% overall increase in partner retention</b>.</li></ul>	
<b>NYU Tandon @ The Yard</b>	
<b>June 2024 - August 2024</b>	
Spatial Computing Researcher	
<ul style="list-style-type: none"><li>Designed and integrated advanced motion capture and volumetric capture systems, <b>enhancing production efficiency by 35%</b> during a three-month research project focused on augmented/virtual reality productions.</li><li>Independently developed and optimized multiple immersive <b>Unreal Engine</b> simulations and environments, resulting in a final production and prototype <b>presented to an audience of over 200 participants</b> at the NYU undergraduate research conference.</li></ul>	

<b>NEEEU Spaces GmbH</b>	<b>May 2023 - July 2023</b>
Creative Technologist	Berlin, Germany
<ul style="list-style-type: none"><li>Developed and deployed an augmented reality advertisement for a perfume brand, achieving a <b>20% increase in customer engagement</b> compared to previous campaigns featured in BMW's annual lifestyle magazine.</li><li>Crafted assets in <b>Cinema4D</b> and wrote custom shader code, resulting in an integrated pipeline that reduced <b>rendering time by half</b> while enhancing visual quality for the final project assembled in <b>Meta Spark Studio</b>.</li><li>Created a <b>Unity</b> prototype for an innovative spatial audio adventure game devised for the visually impaired, leading to successful playtesting feedback and <b>over 1000 downloads</b> after a month of release.</li></ul>	
<b>PROJECTS</b>	
<b>"Real" Art</b>	
<b>November 2022</b>	

<b>"Real" Art</b>	<b>November 2022</b>
<ul style="list-style-type: none"><li>Developed an AI-based installation for <b>The Louvre Abu Dhabi</b> using <b>DALL-E 2 API, Next.js, Express.js and Firebase</b>, to gauge public perception and generate ethical discussions around AI-generated artworks.</li></ul>	

## TECHNICAL SKILLS

---

<b>Programming Languages:</b> JavaScript, Python, C++, C#, OpenGL (WebGL), HLSL
<b>Frameworks &amp; Libraries:</b> TypeScript, Next.js, React, React Native, Vue, SCSS, Node.js, Express, Firebase, Docker, MongoDB, A-Frame, ml5.js, p5.js, Three.js, WebSocket, Processing, Arduino, Automatic1111, ComfyUI
<b>Software:</b> Figma, Unreal Engine, Unity, TouchDesigner, Maya, Cinema4D, Redshift, Blender, Max/MSP, Jitter, Meta Spark Studio, Photoshop, Premiere Pro, Illustrator, After Effects, InDesign, Substance 3D Painter, Ableton