

Ankita Seth

Software Application Engineer

Highly skilled and experienced **Software Application Engineer** with expertise in **C++, Graphics and React.js**. Seeking the role of a **C++ Developer in Delhi/Gurugram/Pune/Hyderabad**. Committed to **delivering innovative software solutions, staying updated with the latest technologies, and optimizing code for enhanced performance**

➡ Profile Snapshot

- Over 1.8 months of experience in software development, specializing in **C++ Graphics and React.js**
- Lastly worked as a **Software Application Engineer** at Beehive Systems Pvt. Ltd., Noida
- Proficient in **C++, C, OOPS Concepts, SQL, STL, XML, Multithreading and DirectX**, with experience in developing a 3D product, the "Drone Designer"
- Skilled in **frontend development**, with experience in **HTML, CSS, JavaScript, and React.js**
- Strong problem-solving skills and a track record of resolving bugs and implementing flexible code
- Well-versed in the latest graphics technologies and experienced in leveraging them for software development
- Committed to delivering high-quality software solutions and continuously improving skills

➡ Education & Credentials

- **2022: Master of Computer Applications (MCA)** from School of Management Sciences, A.P.J. Abdul Kalam Technical University
- **2020: Additional Subject: Maths** from Uttar Pradesh Board
- **2019: Bachelor of Computer Applications (BCA)** from Indira Gandhi National Open University (IGNOU)
- **2017: Bachelor of Science (B.Sc. - Bio)** from Mahatma Gandh Kashi Vidyapeeth (MGKVP)
- **2014: 12th** from Uttar Pradesh Board
- **2012: 10th** from Uttar Pradesh Board

➡ Professional Experience

Jul'22
Aug'2023

Software Application Engineer Beehive Systems Pvt. Ltd., Noida Key Result Areas:

- Contributing to the development of the "Drone Designer," a real-time 3D TV graphics design software
- Efficiently managing code workflow, resolving software bugs, and implementing new features
- Collaborating with cross-functional teams to deliver reliable and performance-optimized solutions
- Demonstrating expertise in object-oriented programming, shape manipulation, animation, and DirectX12 resources
- Optimizing data storage, improving memory efficiency, and ensuring high-performance applications
- Streamlining and optimizing code modules for an efficient and cohesive system
- Resolving crashes, improving application stability, and enhancing user experience

Projects:

- Product: Drone Designer
- **Drone Designer:** A real-time 3D TV graphics software for WASP3D workflow, offering an intuitive interface for effortless 3D graphic tasks
- **Technologies:** C++, STL, Multithreading, DirectX12, MS-XML



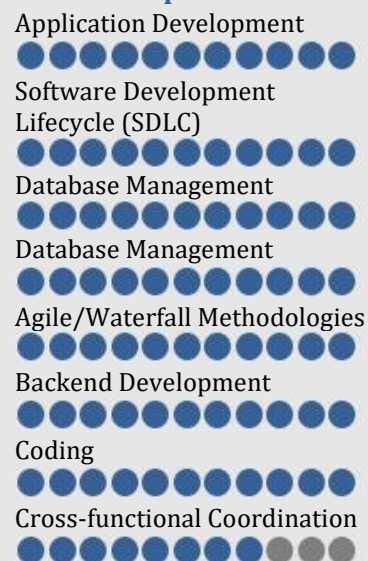
➡ Contact Details

E-Mail: ankitasethweb@gmail.com
LinkedIn: [AnkitaSeth](#)
GitHub: [Ankita-seth](#)
Mobile: +91 7905413254

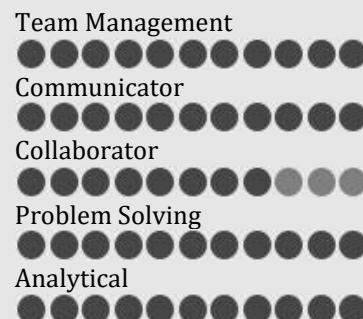
➡ IT Skills

Languages: C++, C, VC++, SQL, Java, JavaScript
Libraries: React.js, STL, ATL
Database: MySQL, PostgreSQL
Web Technologies: HTML, CSS, XML
MS Application: DirectX, OpenGL, MS-XML
IDEs: Visual Studio, VS Code
Repositories: GitHub
Operating Systems: Windows, Mac

➡ Core Competencies



➡ Soft Skills



Notable Achievements and Contributions

Advanced MultiPolygon Shape Implementation:

- Developed "Composite Shape" with shape merging, CustomShape ATL object creation, and Animation Data handling
- Achieved efficient shape manipulation, addressing Composite Shape properties for stability
- Demonstrated strong grasp of object-oriented programming and shape concepts

Enhanced Object Instancing with Compute Pass:

- Created DirectX12 resources, executed compute passes, and managed input/output data.
- Rigorously tested for AI, PolyLine, and Single Poly Shape, resulting in a reliable application.

Optimized Node Properties:

- Converted Boolean node properties into a single 64-bit variable for enhanced memory efficiency.
- Streamlined data storage, resulting in a compact and high-performing solution.

Strategic Module Removal and Integration:

- Merged GFXComVideoWrapper into WaspVideo module within PLAYOUT
- Optimized architecture, enhancing performance and maintainability

Critical Issue Resolution:

- Effectively resolved various Drone Designer crashes
- Conducted thorough testing and proactive troubleshooting for improved stability
- Contributed to a more reliable and crash-free software experience

➔ Internship

Jan'22 – Jun'22

Web Developer Intern
Avllo Private Limited, Varanasi

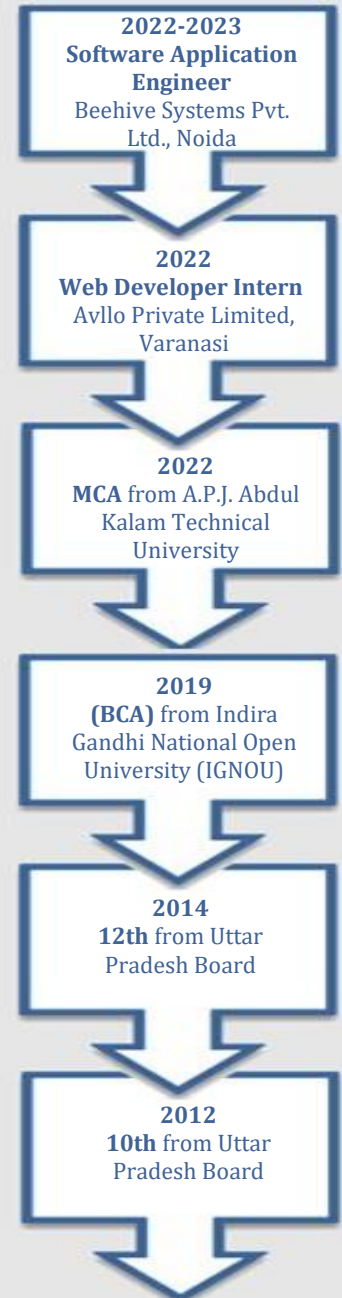
Key Result Areas:

- Led diverse projects like "Havenwork" dashboard, Slack clone and a To-Do App, showcasing web app development skills
- Worked on cutting-edge frontend techniques ensuring visually appealing, responsive designs
- Collaborated effectively with cross-functional teams to ensure seamless integration and project delivery
- Provided innovative ideas and solutions to enhance user experience and optimize application performance

Projects:

- **Havenwork Dashboard System:** Developed intuitive user interfaces for the Havenwork dashboard and other feature-rich web applications.
- **Environment:** MERN stack (MongoDB, Express.js, React.js, Node.js)

➔ Career Timeline



➔ Personal Details

Date of Birth: 20th September 1996
Languages Known: English and Hindi
Address: Chhatarpur, Delhi, 110068