# RAYWA SINGH
## Middletown, NY, United States

raywasingh.10@gmail.com | https://github.com/Raywa10 | https://www.linkedin.com/in/raywa-singh/

## Education

**Thapar Institute of Engineering and Technology, India**                                    **July 2020 – July 2024**

Bachelor of Computer Science and Engineering

Cumulative CGPA-7.4/10

Relevant Coursework: Software Engineering, Operating Systems, Algorithms, Artificial Intelligence, Database Systems, Computer Networks, Web Development, Mobile application Development, Cloud Computing

## Technical Skills

- **Programming Languages**: Java, Python, C++, C, C#
- **Developer Tools:** VS code, Android Studio, Unity
- **Web Technologies:** HTML, CSS, JavaScript, XML, ReactJS
- **Tools & Framework**s: Hadoop

- **Cloud Computing Services:** AWS EC2, AWS S3, MS Azure
- **Database:** MySQL, MongoDB
- **Software Tools/Skills:** GIT
- **Operating Systems:** Windows, Ubuntu (Linux OS), MacOS

## Certification

**Full Stack Web Developer Course, Udemy**

**Key Skills:**

- Front-End Web Development: HTML5, CSS3, JavaScript ES6, Bootstrap 5

- Back-End Web Development: Node.js, Express.js, SQL, PostgreSQL

- Web Design, Version Control: Git, GitHub

## Work Experience

### Techlive solutions
Junior Software Developer Intern                                    **Jan - July 2024(India)**
- Engineered full-stack solutions for a web development project, enhancing user experience and back-end functionality; resulted in a 20% boost in site traffic and a 35% increase in conversion rates
- Conducted thorough code reviews and debugging, leading to a 40% reduction in bugs and a 25% increase in application performance, enhancing the overall user experience
- Refined complex database queries, achieving a 45% improvement in processing times and reducing average page load time from 4.5 seconds to 2.5 seconds
- Integrated Firebase for authentication and real-time data; reduced login issues by 50% and improved data synchronization across platforms, leading to a 15% rise in user satisfaction

### Miracle studios
Game developer Intern                                    **June – July 2023(India)**
- Spearheaded the initiation of a project involving the creation of diverse 3D objects and the implementation of player movement code within a collaborative team of three
- Co-ordinated level development, integrating gameplay featured and enhancing user interaction
- Implemented a ground check mechanism and modified a path follower script to create strategic walking enemies
- Incorporated collectible coins, sounds, music, and designed start/end screens with a canvas and buttons

## Projects

**Event Management System**
- Developed a sophisticated event management solution utilizing HTML, CSS, JavaScript, React, Nodejs, Express, and MongoDB; improved operational efficiency by 50%, resulting in a 25% increase in event registrations
- Orchestrated the development of a seamless frontend and robust backend, achieving a 50% reduction in user-reported issues and a 30% increase in active user engagement
- Implemented a secure payment gateway, ensuring safe and efficient transactions for event registrations

**Zert-News and weather app**
- Spearheaded the creation of a news and weather app with a three-member team, utilizing NewsAPI and OpenWeatherMap API; increased user retention by 45% through seamless integration and intuitive design
- Directed the frontend development process, integrating advanced JavaScript frameworks, which led to a 50% increase in page load speeds and a 22% uptick in conversion rates

**Android App-Void**
- Designed and launched Void, an Android messaging app, leveraging Android Studio, XML, and Java; increased user engagement by 30% and reduced message delivery time by 20% through advanced socket integration
- Partnered with a team of 4 to gain expertise in XML and socket programming; engineered a communication protocol that enhanced server-client interactions, boosting data efficiency by 30%

## Volunteering

- Vitalant Blood Donation: Delivered critical post-donation care in Folsom, California
- SEVA-Selfless Service: Offer meals & essentials to the homeless in Sacramento, CA
- Royal Bhangra School: Partner with this dance school every month to teach adult groups the cultural dance form "Bhangra"

## Work Authorization

- US Citizen with unrestricted work authorization (No work visa needed)