**Sanjay Kumar Yerolla**

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**PROFILE**

I’m a Computer Science graduate with hands-on experience in digital development and coordination. I’ve created websites, mobile apps, and multimedia interfaces with a focus on usability and functionality. I’m highly organised, detail-oriented, and quick to learn new tools. I’m passionate about digital learning, user experience, and contributing to workplace education through innovative content and collaboration.

**SKILLS**

**Digital & Learning Tech:**

|  |  |
| --- | --- |
| * React | * JavaScript |
| * Java | * Data Structures and Algorithms |
| * HTML | * CSS |
| * SQL | * MongoDB |
| * MS Word | * MS PowerPoint |
| * Kotlin & Jetpack Compose (Android) | * Multimedia Design (UI/UX for apps and websites) |
| * GitHub, Trello (task tracking) |  |

**Soft Skills:**

|  |  |
| --- | --- |
| * Task coordination & scheduling | * Strong communication (written and verbal) |
| * Detail-oriented & organised | * Fast learner with new tools (learning cloud platforms, open to LMS and content tools like Rise/Vyond |

**EDUCATION**

**University of East London**   
**B.Sc. Hons Computer Science Graduation:** September 2025

* **Web Technologies:** Gained proficiency in front-end and back-end web development frameworks and tools.
* **Web and Mobile Applications:** Developed skills in designing and implementing responsive mobile-first applications, including both web and mobile components.
* **Software Development:** Learned software engineering principles, including agile and scrum methodologies, and project management.
* **Advanced Programming:** Enhanced understanding of complex algorithms, data structures, and optimization techniques.
* **Data Structures and Algorithms:** Focused on solving computational problems through efficient data structure implementations and algorithmic design.
* **Database Systems:** Gained expertise in designing, managing, and querying relational databases to optimize performance and scalability.
* **Computer Systems and Networks (Data Communications and Networks):** Explored the architecture of modern computing systems and network communications, focusing on security and performance.
* **Artificial Intelligence:** Studied foundational AI concepts and applications in machine learning, natural language processing, and expert systems.

**Kendriya Vidyalaya Hyderabad May 2019-May 2021**

**CBSE Class XII**

* I specialize in Mathematics with Computer Science.
* focusing on programming in Python**.**

**WORK AND INTERNSHIP EXPERIENCE**

**Web Developer Docklands Creative, East London** **March 2024 – May 2024**

* Designed and implemented a custom website for the Makers Club to improve functionality.
* Used WordPress to enhance functionality and improve user engagement.
* Led the design and deployment of ‘Ebb and Flow’, a mental health advocacy website, which improved accessibility and user experience.

**Amicus ALJ – Internship** **June 2024-August 2024** | **Remote**

* Enhanced **user experience** by continuously improving website usability, ensuring an intuitive and enjoyable visitor experience.
* Performed regular **audits and checks** to maintain website functionality, performance, and security.
* Managed **content updates**, including adding, editing, and removing content to keep the website fresh and relevant.
* Developed and introduced **new features and enhancements**, improving website aesthetics and functionality.

**Key Holder Supervisor Merkur Casino UK, Cricklewood September 2022 - Present**

* Supervised a team of 10 employees, achieving a 25% improvement in workflow efficiency.
* Trained 15+ staff members on conflict resolution, increasing customer satisfaction scores by 15%.

**PROJECTS**

**E-Commerce Website**

Developed an e-commerce website for buying, selling, and repairing vintage musical instruments as a university assignment utilizing HTML, CSS, and JavaScript to ensure a functional and user-friendly experience.

* Created a responsive e-commerce site that improved load speeds by 25%, enhancing user retention.

**Calculator**

Developed a calculator using React and Node.js that performs advanced mathematical operations, with a personalized interface and photo integration, enhancing user experience for the mathematics department.

**Personal Portfolio Website**

Developed and designed a personal portfolio website using HTML and CSS, achieving a 25% increase in user engagement. The site showcases university projects and updates, enhancing accessibility and user experience.

**BudgetBuddy – Smart Budgeting Android App**  
Developed a personal budgeting app using **Kotlin**, **Jetpack Compose**, and **Firebase**, supporting real-time expense tracking and goal management.

* Implemented role-based dashboards for adult and child users, with secure authentication
* Integrated interactive pie charts for visualizing budget data using Jetpack Compose
* Designed a clean, user-friendly UI and ensured real-time data syncing using Firestore
* Built as part of my final year dissertation, with focus on usability, performance, and smart insights

**Certifications & Learning**

* **Web Development Certificate** – HTML, CSS, JavaScript
* **Currently learning AWS & Azure cloud basics** through online courses

**Volunteering & Leadership**

* **Archives Intern, Newham New Deal** – Researched local history and presented reports (May–Jul 2024)
* **Scout Leader, Bharat Scouts & Guides** – Led camps, organized events
* **UEL Christmas Volunteering** – Created cards for hospital patients
* **CCA Captain and Class Rep, Kendriya Vidyalaya** – Led student events and coordination