

RAJVEER SINGH SAINI

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EDUCATION

Birmingham City University, Birmingham, UK

Expected : September 2024 – June 2027

Computer Science specialized in Artificial Intelligence w/ Industrial yr.

CGPA: 8.0

Suyash Convent and Jr. College, NGP, MH, India (MH Board HSC:- 12th Standard)

Completed: June 2023 – April 2024

Subjects:- Computer Science, English, Mathematics, Physics, Chemistry

Result:- 75.50%

Suyash Convent and Jr. College, NGP, MH, India (MH Boars SSC:- 10th Standard)

Completed: June 2021 – April 2022

Subjects:- English, Mathematics, Science, SST, Hindi, Marathi, Sanskrit

Result:- 92.00%

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, TypeScript, Java, Solidity
- **Web & Frameworks:** HTML5, CSS, React.js, Node.js, Express.js, Next.js, .NET, Spring Boot, Tailwind, Bootstrap
- **Data & AI(Python):** NumPy, Pandas, Seaborn, Matplotlib, PyTorch, TensorFlow, Basics of Neural networks and Deep Learning
- **Tools:** Git, VS code, IntelliJ IDEA, PyCharm, WebStorm, Figma, Adobe Editing Software's(Basics), N-8-N, Basic Docker
- **Databases:** SQL(MySQL, PostgreSQL Basics), NoSQL(MongoDB)
- **Cloud Services:** AWS(Lambda, SNS), AZURE, Google Cloud Platform
- **Certifications:** Google Automation - Course Completion Certificate in Python, Walmart Global Tech - Advance Software Engineering Job Simulation, Machine Learning and Deep Learning Specialization on Coursera, 92% in MSCIT, MH, India, Maths and Computer Olympiad certificates, Enterprise Design Thinking certificate by IBM

WORK EXPERIENCE

Visiting Demonstrator of Website Design and Development(Birmingham City University)

September 2025-Present

As a Visiting Demonstrator of Website Design and Development, I help first-year students develop their skills in **web design and development**. Teaching **Figma** and basic design principles, and will soon cover **HTML**, **CSS**, and **JavaScript**. I provide guidance on projects, offer insights into web development practices, and encourage students to explore creative and practical solutions while building their confidence in designing and developing websites.

Teaching Intern of Computer Science(BCTSA-Stuart Bathurst Catholic School)

June 2025-July 2025

Completed a Computer Science school internship, teaching **Python** to Years 9–11 and providing students with insights into how apps and websites are developed, along with an industry perspective. Explained the various uses and benefits of Python, helping students understand its practical applications. Additionally, assisted teachers with **MS Office** and **editing** classes, supporting smooth classroom operations and enhancing student learning experiences.

PROJECTS

Ecological Balance Token (EBT) System / (NCOR) Platform Blockchain (On-going): Designed and conceptualized a blockchain-based system assigning digital Carbon Credits (Oxygen production) and Deficits (CO2 emissions) to corporations, leveraging real-time Oxygen and CO2 Indices. Engineered a secure, transparent market mechanism for token trading via crypto/forex, ensuring annual net zero compliance and driving significant CO2 reduction. This scalable platform promotes data-driven environmental accountability and sustainable economic practices across mega-cities and nations. Further the project will be scaled to a launch of carbon credit tokens which can be bought or sold by companies and the general public through Ethereum blockchain network.

OmniAgent(Mini AI assistant using Python): Developed a Python-based intelligent assistant leveraging OpenAI, Weather, and News APIs to deliver real-time insights and actionable outputs. Implemented voice-command functionality to execute system-level operations, including opening files, directories, applications, and sending WhatsApp messages programmatically. Engineered cross-device connectivity to enable seamless command execution across multiple devices, while fine-tuning automation workflows for enhanced efficiency and user interaction. Demonstrated strong expertise in Python programming, API integration, and event-driven automation.

Achievements and Extra Curriculam

- Red House Sports In charge(8th standard), School Head Boy (10th Standard)
- Karate: 3 times NGP District Champion , 2 times Divisional Champion, Runner Up in All INDIA State Championship
- Group Sports: Captain of Football and VolleyBall Team in School ; Runner Up in 100 meter sprint District Level
- Vice Caption of Computer Science Society(11th Standard)