

# Aryan Singh

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<https://github.com/Aryan0116>

<https://aryan-singh16.vercel.app/>



## EDUCATION

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### **B.TECH - Computer Science and Engineering,**

RCC Institute of Information Technology

CGPA: 8.68/10

2021 - June 2025

## SKILLS

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<b>Technical Skills</b>	Python, SQL, HTML, CSS, JavaScript, Linux, Git, Cybersecurity, Java Data Structures & Algorithms(DSA), React, Flask, NumPy, Pandas
<b>Soft Skills</b>	Communication, Problem-Solving, Teamwork, Quick Learner, Leadership Adaptability, Time Management, Creativity, Attention to Detail

## EXPERIENCE

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<b>Internship</b>	Indian Institute of Internship – React Developer Intern Developed interactive and dynamic user interfaces using React.js. Implemented reusable components, state management, and API integration. Gained hands-on experience in debugging and optimizing React applications. Acquired a deeper understanding of React concepts and best practices. Created several projects showcasing proficiency in frontend development.
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## PROJECTS

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### **Real-time Multiplayer Tic-Tac-Toe with Chat** [visit](#)

- Designed and implemented a real-time multiplayer Tic-Tac-Toe game application featuring private rooms and integrated chat functionality, providing an engaging user experience.
- Tech Stack: Node.js, Express.js, Socket.io, HTML, CSS, JavaScript.

### **COA Hub: Interactive Teaching Learning Web Application** [Visit](#)

- Developed "COA Hub," an interactive web application designed for teaching and learning Computer Organization and Architecture. The platform includes study modules, quizzes, progress tracking, discussion forums, and an AI-powered chatbot for doubt resolution.
- Tech Stack: HTML, CSS, JavaScript, React, Express.js.

### **Deepfake Detection Web Application**

- Developed a robust web application leveraging Convolutional Neural Networks (CNNs) and computer vision techniques for accurate deepfake image detection.
- Tech Stack: Python, NumPy, Pandas, TensorFlow, Flask, JavaScript.
- Enhanced accuracy and reliability by training the model on a self-curated dataset sourced from multiple authentic sources.

## Automated Waste Classification System

- Engineered an image recognition system utilizing machine learning algorithms to classify waste types and automate the identification of appropriate disposal bins, promoting efficient waste management.
- Tech Stack: Python, TensorFlow, Keras.

## ACHIEVEMENTS

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- AWS AI & ML Scholarship - Winter Cohort  
*Selected for AI & ML Nanodegree course by Udacity, sponsored by AWS, demonstrating exceptional aptitude in artificial intelligence and machine learning*
- IBM Z Xplore - Fundamentals(Concepts) And Advanced badges
- Qualified TCS CodeVita  
*Round 1 rank- 1786, Year-2024*  
*Qualified Round 1 & Round 2 rank- 772 ,Year-2025*

## CERTIFICATION

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- Google Workspace Certification  
*Certification and hands-on experience with Sheets, Meet, Drive, etc., demonstrating expertise in Google Workspace tools*
- AI Programming with Python  
*Nanodegree course by Udacity sponsored by AWS, solidifying skills in AI programming with Python*
- Introduction to Scripting in Python Specialization (Rice University)
- AWS Machine Learning Fundamentals Certification
- Introduction to Front-End Development

## EXTRA-CURRICULAR ACTIVITIES

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- Event Coordinator *College Festival - BIHAAN, RCCIIT, Kolkata January 2023*
  - Contributed to a 35-member team in the planning and execution of BIHAAN, a cultural fest for freshers attended by 700+ students, showcasing exceptional organizational and teamwork skills.