



Aryan Raj Choudhury

Pre-Final year Undergraduate

Computer Science Engineering

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Summary

Analytical and detail-oriented Computer Science student with experience in data-driven projects, skilled in strategic thinking, data interpretation, and structured analysis. A strong communicator and collaborative team player focused on delivering practical, real-world solutions.

Education

Year	Degree/Certificate	Institute/Board	CPI/%
2022 - Present	B.Tech CSE	Kalinga Institute of Industrial Technology, Bhubaneswar	8.54/10
2022	Senior secondary	Navy Children School, Goa	86.2%
2020	Secondary	Navy Children School, Goa	90%

Experience

• Defence Research and Development Laboratory (DRDL)

May 2025 – June 2025

Intern

Hyderabad, India

- Worked on network-level communication systems using low-level socket programming in C for defense-grade systems.
- Developed and tested client-server models to simulate secure data transmission protocols over UDP/TCP.
- Developed a simulator to generate and transmit real-time GPS position details over the network for testing communication modules.

Projects

• Crop Yield Management Based on Climatic Conditions using ML

Mar '25 - Apr '25

Tools: Google Colab, VS Code, Python, Scikit-Learn, Matplotlib, ML models



- Developed an ML system to determine optimal rainfall, temperature, and humidity for specific crops.
- Trained and evaluated **Random Forest, Decision Tree, Logistic Regression, and XGBoost model**.
- Created Analyzed model performance using accuracy scores, learning curves, and feature importance.
- Enabled data-driven crop planning by linking crops to their most favorable environmental conditions.

• Realtime Currency Converter

Mar '25

Tools: HTML, CSS, Javascript, VS Code



- Built a responsive web-based currency converter using **HTML, CSS, and JavaScript**.
- Integrated ExchangeRate API to fetch live exchange rates for accurate real-time conversions.
- Designed an intuitive user interface for seamless currency selection and instant results.]

Skills

- **Programming Languages**: C, Python, Java, HTML, CSS, Javascript, MySQL
- **Tools**: Google Colab, VS Code, Scikit-Learn, Matplotlib, Microsoft Office, NumPy, Panda

Certifications

• Learnex: Certificate of Growth and Operations

Jul '24

• Great Learning: Introduction to Digital Marketing

Sep '23

Positions of Responsibility

• Member-Kiit Electrical Society, KIIT

Nov '23-Nov '24

- Participate in and contribute to various electrical engineering projects and technical workshops organized by the society.
- Assist in planning and executing events such as guest lectures, seminars, and competitions to promote knowledge and interest in electrical engineering.