



SABYASACHI BOSE
ECE Student at Asansol Engineering College (2022-2026)

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PROFESSIONAL SUMMARY

B.Tech ECE student (2022–2026) with strong foundation in DSA and proficiency in C++, Java, Python. Skilled in full-stack development with React.js, Node.js. Eager to contribute to innovative software projects.

TECHNICAL SKILLS

- Frontend: React.js, Next.js, HTML5, CSS3, JavaScript
- Backend: Node.js, Express.js
- Programming: C++, Python, JavaScript (ES6+)
- Tools: Git, GitHub, npm, CAD tools
- Languages: English, Hindi, Bengali (Native)

EDUCATION

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| B.Tech in Electronics and Communication Engineering | 2022-2026 |
| Asansol Engineering College, Asansol | CGPA: 6.81 |
| Higher Secondary Education | 2019-2021 |
| Ushagram Boys High School | Percentage: 86.6% |
| Secondary Education | 2010-2019 |
| Asansol Ramakrishna Mission High School | Percentage: 88.71% |

KEY ACHIEVEMENTS

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| 3D Model Designing — E-waste Robot Project | June 2023 - Dec 2023 |
| • Designed 3D model for e-waste collecting robot using CAD tools | |
| • Collaborated with team to optimize robot structure for efficiency | |
| Fire Alarm System — Hardware Competition | Jan 2024 - Mar 2024 |
| • Developed functional fire alarm using temperature and smoke sensors | |
| • Integrated buzzer and LED indicators for real-time alerts | |

PROJECTS

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| Fresh Product Advertising Website |
| React.js, TailwindCSS |
| • Built responsive advertising website with modern UI and animations |
| • GitHub Repository |

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| Solar Energy Production Analysis |
| Linear Regression, Random Forest, Batch Gradient Descent |
| • Built ML model to analyze spatial and temporal trends in solar energy |
| • GitHub Repository |

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| Portfolio Website |
| React.js, TailwindCSS |
| • Personal portfolio with server-side rendering and responsive design |
| • GitHub Repository |