

Krishnendu Bir

Portfolio: <https://my-portfolio-krishs-projects-f7696257.vercel.app/>

23ee01025@iitbbs.ac.in | +91-62906-71032 | LinkedIn: [krishnendu-Bir](#) | GitHub: [GitHub Profile](#) | Bhubaneswar, India

EDUCATION

Indian Institute of Technology, Bhubaneswar

Bhubaneswar, India

B. Tech in Electrical Engineering

Expected Graduation, May 2027

- **Concentrations:** Power electronics
- **CGPA:** 8.36/10
- **Related Coursework:** Electric Machines, Power electronics, Power system, High voltage electronics, Digital Electronics and microprocessor, Digital signal processing, measurement and instrumentation.

EXPERIENCE

Web and Design Society

Bhubaneswar, India

Web Development

Aug 2023 – Dec 2024

- Created frontend project using Html, CSS, JavaScript and React.js, etc.
- Developed some backend project like real time chat application using Node.js, Socket.io, Express.js, etc.
- Utilized Database like Mongo DB, SQL etc. and deployed the application with mongo DB atlas database.

Robotics Society

Bhubaneswar, India

Robotics

Aug 2023 – Dec 2024

- Utilized Arduino Uno, Bluetooth module to make RC car with Bluetooth control.
- I have made 4 DOF robotic arm using Arduino uno, servo motor, Bluetooth module etc.
- To make these project I have used Arduino uno software and code with C++ language.

PROJECTS

Note App | [GitHub Link](#) | [Demo Link](#)

Bhubaneswar, India

Individually

Jun 2023 – July 2023

- Designed and developed a fully responsive web application featuring both light and dark themes, enabling secure note management using technologies such as React.js, Node.js, Express.js, MongoDB, and Bootstrap.
- Implemented secure user authentication, including sign-up, login, and password reset functionalities with OTP verification.
- Enabled users to create, update, and manage personal notes securely within their authenticated accounts.

BMI Calculator | [GitHub Link](#) | [Demo Link](#)

Bhubaneswar, India

Individually

Nov 2023 – Dec 2023

- Designed and developed a fully responsive web application using HTML, CSS, and JavaScript.
- Implemented a BMI (Body Mass Index) calculator that allows users to input personal health data, generate a detailed health report, and download it for reference.

Real-time Chat Application | [GitHub Link](#) | [Demo Link](#)

Bhubaneswar, India

Individually

Jan 2024

- A real-time anonymous chat platform was developed using Node.js, React.js, and Socket.io.
- Functionality was implemented to allow users to engage in group conversations through both text and audio messages.

Live IPL Match Winning Predictor | [GitHub Link](#) | [Demo Link](#)

Bhubaneswar, India

Individually

Jul 2024 – Aug 2024

- Developed a responsive web application that predicts the winning probability of a team in a live cricket match using input parameters like current runs, overs, target score, and wickets, with graphical result visualization and built-in error handling features.
- The predictive model was built using Python and Logistic Regression, with a Flask-based backend and a React.js frontend styled with Tailwind CSS.
- Achieved a model accuracy of 90.00%.

Accutax – ai tax calculator | [GitHub Link](#) | [Demo Link](#)

Bhubaneswar, India

Individually

Jan 2025 -Feb 2025

- Developed an AI-based calculator that estimates taxes using generative AI techniques, providing users with intelligent and personalized tax predictions.
- Integrated user authentication features including sign-up and login for secure access.
- The application was built with React.js and Tailwind CSS for the frontend, and utilizes both Node.js and Flask for the backend services.

Others:

Bhubaneswar, India

- **Snake Game** | [Demo Link](#) : Developed a desktop-based Snake game with multiple difficulty levels using HTML, CSS, and JavaScript.
- **News App** | [Demo Link](#) : Developed a news web application using React.js featuring multiple news categories, infinite scrolling, and a top-loading progress bar for enhanced user experience.

ACTIVITIES AND LEADERSHIP

National Service Scheme

Bhubaneswar, India

Volunteer

Aug 2023 – Aug 2024

SKILLS

Programming: Python, JavaScript, HTML/CSS, SQL, Node.js, React.js, MATLAB, C++, C, Express.js, Mongo DB, Socket.io, Flask

Tools: PyCharm, Jupyter Notebooks, Git, Bootstrap, Tailwind CSS, AutoCAD, Solid Works, Simulink