

BISWADEEP PURKAYASTHA

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EDUCATION

Indian Institute of Technology Mandi

November 2021 - July 2026

B.Tech Double Major in Computer Science Engineering and Civil Engineering

CGPA: 8.22/10

Delhi Public School Ruby Park Kolkata

April 2019 - March 2021

All India Senior Secondary Certificate Examination (CBSE)

Percentage: 95%

SKILLS

Programming Languages

Python, C++, C, HTML, CSS, JavaScript, PHP

Tools & Frameworks

React.JS, MySQL, Next.JS, Git, Bash, GitHub, Sanity, Stripe

IDEs & OSs

Visual Studio Code, Linux, IntelliJ

WORK EXPERIENCE

Web Development Intern | Laserpay

July 2023 - September 2023

Collaborated with a UI/UX designer to build Laserpay's new website.

Open Source Contributor | Intel CVE Binary Tool

August 2022 - May 2023

Enhanced multiple features for the CVE Binary Tool and also added features such as checkers to help the tool detect security vulnerabilities better. [\(Repo link\)](#)

Open Source Contributor | The Linux Foundation

January 2023 - May 2023

Added the functionality of cupstestppd to libppd and improved representation of information in the web interface of pappl-retrofit. [\(Repo link\)](#)

PROJECTS

Ecommerce App: A fully functional ecommerce web app that allows you to browse through different products, add the products you like to your cart and buy what you like by entering your details, selecting your shipping and paying with Stripe. (Next.JS, React.JS, Stripe, Sanity) [\(Link\)](#)

Driver Drowsiness Detection and Alarm System A machine learning model that can detect drowsiness of the individual driving a car and sound an alarm to wake him/her up. It uses a **computer vision** neural network to identify facial features for drowsiness. It can help drastically **reduce the number of road accidents** caused due to sleep deprivation of individuals. (Python, YOLOv5, OpenCV, PyTorch, Tkinter) [\(Link\)](#)

Chatter Away: A chatroom webapp that allows users validated using **unique validation keys** to create channels and use text, emojis and attachments to express thoughts better. (React.JS, Stream API) [\(Link\)](#)

Sentiment Analysis of Amazon reviews: Performed sentiment analysis using the **VADER** and **Roberta** models to classify amazon reviews as positive, neutral or negative. (NLTK, Hugging Face transformers, Python) [\(Link\)](#)

CERTIFICATIONS

- React Basics by Meta [\(Certificate\)](#)
- Interactivity with Javascript by University of Michigan [\(Certificate\)](#)
- Advanced React by Meta [\(Certificate\)](#)
- Version Control by Meta [\(Certificate\)](#)

ACHIEVEMENTS

- **GirlScript Summer of Code 2023:** Ranked 114 out of 10000 participants in GirlScript Summer of Code 2023.
- **Hacktoberfest:** Made 10 PRs(merged) during HacktoberFest 2022.

POSITIONS OF RESPONSIBILITY

- **GDSC IIT Mandi** - Core Team Member at Google Developer Student Clubs, IIT Mandi
- **KamandPrompt** - Core Team Member at KamandPrompt, The Programming Club of IIT Mandi