

Priyanshu Ranjan

priyanshuranjan2024.github.io/portfolio/ | priyanshuranjan2020@gmail.com | +91 8810204584

EDUCATION

KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY

B.TECH IN COMPUTER SCIENCE

July 2023 - June 2027 | Bhubaneswar, India

Cum. GPA: 9.54 / 10

THE AIR FORCE SCHOOL

Graduated: May 2023 | New Delhi, India

AISSE (All India Senior School Certificate Examination): **94.6%**

AISSE (All India Secondary School Examination): **97.8%**

LINKS

Github:// [priyanshuranjan2024](#)

Kaggle:// [datajack1234](#)

LinkedIn:// [priyanshu-ranjan](#)

LeetCode:// [priyanshu_maneke](#)

COURSEWORK

UNDERGRADUATE

Object Oriented Programming

Data Structures and Algorithms

Machine Learning: *Machine Learning A-Z: AI, Python & R* by Kirill Eremanko, Hadelin de Ponteves on Udemy

Full Stack Development: *The Complete 2023 Web Development Bootcamp* by Dr. Angela Yu on Udemy

SKILLS

Programming Languages:

• C++ • Python • PHP • JavaScript • C • Java • Verilog HDL

Web Development Technologies:

• HTML • CSS • React • Laravel • Tailwind • Node.js • Django • MongoDB • MySQL • Spring Boot • PostgreSQL

AI and Machine Learning:

• Scikit-learn • PyTorch • TensorFlow

Cloud and Containerization:

• AWS • Docker • Google Cloud

RESEARCH

BREAST CANCER RESEARCH | Machine Learning Research Student

September 2024 | Odisha

- Conducting research on **breast cancer** by analyzing **genomic**, **clinical**, and **WSI (Whole Slide Imaging)** data of patients to identify patterns and developing **machine learning-based diagnostic models**.
- Working under the guidance of my **professor**, collaborating with **medical professionals** to refine machine learning algorithms and ensure the accuracy and reliability of research results.

WORK EXPERIENCE

UPWORK | Freelance Web Developer

Oct 2024 – Present | Remote, India

- Collaborated with global clients to understand project requirements, design technical solutions, and manage the entire development lifecycle, from architecture to deployment.

MIND AVIATOR GROUP | Back End Developer Intern

June 16, 2024 – July 16, 2024 | Delhi, India

- Migrated the database from **MySQL** to **MongoDB**, improving query performance by **30%** and reducing server load by **20%**.
- Created more efficient **data models** and **indexing** in MongoDB, leading to a **25% decrease** in data retrieval times.
- Rewrote backend code in **PHP** and **Laravel** to work with MongoDB, cutting **API response times** by **40%** and improving scalability.

PROJECTS

- Cars Purchasing Amount Prediction using Artificial Neural Network:** Developed a **car purchasing amount prediction model** using an **Artificial Neural Network (ANN)**, analyzing factors such as **income**, **age**, and **credit score** to accurately predict spending, achieving a forecast accuracy of **90%**. [View Project](#)
- Hospital Management Platform:** Built the **frontend using React.js** and the **backend using Node.js**, improving hospital workflow by **40%** with features like **real-time patient monitoring** and **automated appointment scheduling**. [View Project](#)
- Spam Filtering Model:** Developed a **spam filtering system** using **Naive Bayes**, achieving an accuracy of **95%** in distinguishing spam from legitimate emails by analyzing **word frequencies**. [View Project](#)

EXTRACURRICULAR AND AWARDS

- Cloud Automation Team Member** at USC KIIT, responsible for automating cloud infrastructure and supporting diverse projects within the university community.
- Recognized among the **top 80 out of 300 students** in the **Google Study Jam on Gen AI**.
- Certificate of Merit in Physics** issued by the **Indian Air Force Educational and Cultural Society** for achieving **top marks** in CBSE Physics Subject in Class 12.
- Certificate of Merit** issued by the **Indian Air Force Educational and Cultural Society** for excellence in academics in Class 10.