

# Ananya Saha

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## Projects

### Paris Olympic Data Analysis 2024

Aug 2024 – Present

- Conducted Olympic data analysis for 2024 using Convolutional Neural Networks (CNN) to predict athlete performance and medal outcomes. Applied data preprocessing, feature extraction, and model optimization techniques to achieve accurate predictions, providing insights for strategic decision-making in sports analytics.

### Brain Tumor Detection of MRI Images Using CNN

Oct 2023 – Apr 2024

- Developed a deep learning model using CNN for brain tumor detection from MRI images. The model achieved high accuracy in classifying tumor types, aiding in early diagnosis and treatment planning. Implemented data preprocessing, augmentation, and validation techniques to enhance model performance.
- The model's performance was evaluated using metrics such as accuracy, precision, recall, and F1-score, achieving significant improvements over traditional methods.

### Navigating Fertile Days: Predictive Analysis and Insights from Menstrual Cycle Length Data

Nov 2023 – Mar 2024

- Developed a predictive model using Convolutional Neural Networks (CNN) to analyze menstrual cycle length data for identifying fertile days. The project provided accurate insights and personalized predictions, aiding in reproductive health planning. Applied advanced data preprocessing and model optimization techniques to enhance prediction accuracy.

## Experience

### Pediaverse (Freelance), Calicut

Jul 2023 – Dec 2023

Front-end Designer and Developer

#### Task Management Application

- **Technologies:** HTML, CSS, React.js, Node.js, DBMS
- **Details:** Created a task management web application for internal use at a startup to improve team collaboration and productivity

#### Startup Launch

- **Technologies:** HTML, CSS, React.js
- **Details:** Designed and developed a high-converting landing page for a startup's new project launch. Focus on performance optimization, ensuring fast load times and a smooth user experience across all devices

### Edvizo (Internship), Bengaluru, India

Jun 2023 – Aug 2023

Academic Advisory

- Interfaced with client leads and became a trusted advisor and confidant to clients

## Education

### National Institute of Technology (NIT), Calicut

Dec 2020 - May 2024

Bachelor of Technology in Computer Science and Engineering

CGPA: 6.4/10

### Bidhannagar Govt. High School, Kolkata

Jun 2017 - Mar 2019

Higher Secondary Education (12th Standard)

Percentage: 78

## Skills

- **Languages:** C, Java, Python, HTML, CSS, JavaScript
- **Technologies:** Data Structure, Advanced Algorithm, DBMS, OS, AI, ML, Python Libraries, Introduction to Data Science

## Courses

### Project Development using Java, Udemy

Jan 2024 – Feb 2024

### Data Science Real World Projects in Python, Udemy

Dec 2023 – Mar 2024

### Basic of MySQL, Udemy

Apr 2023 – Jun 2023

## Achievements

- 5-Star C, 4-Star Problem Solving, 4-Star Java badge on HackerRank
- Solved 650+ CS Problems to better understanding of DS and Algo.
- Participation Certificate in International Drawing Olympiad (IDO)

## Qualities

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- Leadership
- Teamwork
- Problem-Solving
- Communication
- Adaptability
- Time Management

## Hobbies

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- Paintaing
- Playing Badminton
- Reading Story Books