Aritra Bag

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About Me

Motivated B.Tech Computer Science student with strong Java and MERN stack development skills. Passionate about AI-driven applications, real-time systems, and scalable software solutions. Interested in Semiconductor-related software, Cloud technologies, and AI/ML-based system integration. Interested in learning, growing, and contributing to impactful projects.

Education

Kalinga Institute of Industrial Technology, Bhubaneswar, 2022 – 2026
- Pursuing B.Tech. in CSE (CGPA: 7.81)

Kishorenagar Sachindar Siksha Sadan, Contai, 2021 – 2022
- Intermediate (10+2) W.B. Board (87%)

Experience

Python Full Stack Virtual Intern Oct 2024 – Dec 2024
- 10 weeks of Virtual Python Full Stack Developer Internship, All India Council for Technical Education (AICTE) · Internship
- Skills: Python (Programming Language), Git, GitHub, HTML, Cascading Style Sheets (CSS)
- Completion certificate - view-certificate

Technical Skills

Languages: Java, Python, HTML, CSS, Tailwind CSS, VHDL
Technologies: MERN Stack, AWS Cloud Architecting, Linux System Administration
Frameworks: React.js, Next.js, Django
Dev Tools: Git, Visual Studio Code, IntelliJ

Projects

Weather Application Website Link
- Developed a responsive weather application built with Next.js and Tailwind CSS, integrating real-time data from the OpenWeatherMap API. This app supports theme switching between dark and light modes.
- Tools Used: Next.js, Tailwind CSS, OpenWeatherMap APIs, Vercel for deployment
- GitHub link: github.com/Zynetic-WeatherApp

TeleHealth Connect 24/7 GitHub Repository
- Built a secure healthcare web platform in Django that implements session-based authentication, password hashing, and user validation. Focused on backend reliability and secure system workflows.

Google Meet Clone Chatting-Meeting
- Chatting-Meeting is a Google Meet clone built for seamless video conferencing and real-time chat. It supports secure user authentication, video and audio streaming, and instant messaging, offering a collaborative environment ideal for virtual meetings, classes, or team discussions.
- Tools Used: Next.js, Tailwind CSS, Shadcn UI, react-toastify, ZEGOCLOUD, Google and GitHub OAuth, MongoDB
- GitHub link: github.com/Chatting-Meeting

LingaLens – Language Converter Web App GitHub Repository
- Developed a web language conversion application using the Flask framework. Integrated user authentication and user data stored in MongoDB Atlas. Used multiple LLM models and an OCR model to handle text input from direct typing, image files, and PDFs.

Certifications

Collaboration of Green Computing in E-Waste Management for Sustainable Society view-credentials
Completed "Data Structures & Algorithms(DSA)" by KIIT Kareer School. view-credentials
Completed "AWS Cloud Architecting" view-credentials
Completed "Linux System Administration" By Red Hat view-credentials