

Diptendu Kumar Jashu

GitHub / LinkedIn / +91-7044957544
diptendujashu@gmail.com

WORK EXPERIENCE

· Insignia Consultancy Services

May 2024 - July 2024

Data Science Analyst

- Created a series of robust web scraping scripts to gather competitor pricing data, leading to strategic insights that informed pricing adjustments and increased market competitiveness, ultimately benefiting 20+ sales team members.

· Ladder Media

May 2022 - July 2022

Freelancer for (SME) Subject Matter Expert

- Designed and delivered tailored solutions for the Indian and US markets, achieving a 30% increase in engagement rates; collaborated with cross-functional teams to adapt content for cultural relevance, impacting 1,000+ users.

· Synergy Eduservices

Aug 2022 - Oct 2022

Freelancer Content Writer

- Created targeted academic content related to company policies, directly influencing customer satisfaction scores by 15%; monitored and maintained attendance records for 100+ training sessions, ensuring high-quality participant engagement.

PROJECTS

· COMBINING GAN AND FL FOR COVID-19 DETECTION IN EDGE CLOUD COMPUTING

Python, TensorFlow, CNN, GAN, FL, Blockchain, Edge Cloud Computing

GitHub

- Devised a blockchain-enabled architecture for AI-based COVID-19 detection, facilitating secure data sharing and analysis among healthcare institutions; the solution is currently utilized for over 10,000 patient records, ensuring data integrity and privacy.
- Tools & technologies: Python, TensorFlow, Convolutional Neural Networks (CNNs), Generative Adversarial Networks (GANs), Federated Learning (FL), Blockchain, Edge Cloud Computing, Differential Privacy.

· Krishi Yog APP

React Native | Appwrite | i18n library | Fast API | Hugging Face Model | Gemini API | Expo

GitHub

- Led a team of 5 to develop a farmer-centric app, featuring secure Farmer Login and an interactive Farmer Community for disease reporting and prevention. Implemented multilingual support with Indian languages, increasing local farmer engagement by 50% and improving accessibility.
- Created a Disease Prediction feature with Hugging Face and Gemini, plus a News Tab for updates.

· A real time chat application

HTML, CSS, JS, React, Socket IO, Node, MongoDB

GitHub

- Engineered a real-time chat application using the MERN stack, integrating instant messaging, user authentication, and live updates; the solution, with over 100ms latency optimization, having seamless communication by leveraging Socket.IO for real-time data transfer and optimized data management with MongoDB, enhancing user experience and reliability.
- Tools & technologies : HTML, CSS, JS, React, Socket IO, Node, MongoDB

· Web Development Mini Projects

HTML, CSS, Bootstrap, JS, JQuery, Nodejs, express js, react, MongoDB

GitHub

- Portfolio / Digital Clock / Blog Website
- Dice Playing Game / Drum Kits / Simon Game/ Currency Converter / Theme Switcher / ToDo App

SKILLS

· **Technical Skills** : C/C++, Python , JavaScript , HTML5 , CSS / Tailwind CSS , PHP , SQL , MongoDB

· **Frameworks/Libraries** : jQuery , JSON , Node.js, React , ExpressJS , TypeScript , Bootstrap , NumPy , Panda , Matplotlib , TensorFlow , Keras , OpenCV

· **Tools** : Git, GitHub, Postman , FireBase , AutoCAD , MS Office , AWS

EDUCATION

· SRM University, Andhra Pradesh

2022 - 2026

B.Tech in Computer Science and Engineering with Specialization in AI & ML

CGPA: 7.95 (5th Sem)

· Jnan Chandra Ghosh Polytechnic, Kolkata

2019 - 2022

Diploma in Mechanical Engineering

CGPA: 8.5

CERTIFICATIONS

· **Foundation in Cybersecurity** | Coursera

· **AWS Fundamentals** | Coursera

· **Python** | NPTEL

· **AutoCAD Training** | L&T

· **Employability Skills Development program** | Mahindra

· **E - Business** | NPTEL