AMAN RAJ

Web Developer | Python & Machine Learning Expert

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📍 Bokaro Steel City, Jharkhand

GitHub   LinkedIN   LeetCode   Porfolio

SKILLS

Technology : Full Stack Web development, Artificial Intelligence & Machine Learning, Data Analytics

Programming : Java , Python, C/C++, JavaScript, PHP

Frontend Stack : HTML/CSS, Bootstrap, React, Angular

Database Technologies : MySQL, PostgreSQL, MongoDB

Software : VS Code, Power BI, MS Office, MATLAB, Google Colab, Pycharm , Jupyter notebook

Frameworks/Libraries : Spring Boot, Servlet, Django, Numpy, Pandas, Matplotlib, Seaborn,, Node.js, Express

Relevant Skills: Data Structure, Algorithms, OOPs, SDLC, Git and Github, Cybersecurity, REST API, Linux/Unix

Soft Skill

- Communication
- Teamwork
- Problem-Solving
- Adaptability
- Time Management
- Critical Thinking
- Empathy
- Creativity
- Leadership
- Conflict Resolution

Education Background

🎓 **Bachelor of Technology in CSE**
Sambalpur University Institute of Information Technology
(2020- 2024) - 8.2 CGPA   *Sambalpur,Odisha*

📖 **Intermediate / 12th - CBSE**
Guru Gobind Singh Public School, Sector 5
(2019) - 76 %   *Bokaro Steel City, Jharkhand*

📖 **Matriculation / 10th - CBSE**
Guru Gobind Singh Public School, Sector 5
(2017) - 10 CGPA   *Bokaro Steel City, Jharkhand*

Achievements & Certificate

- 1-month **Vocational Training** in **SAIL , Rourkela Steel Plant** from 22nd May 2023 – 21st June 2023. **- Link**
- One Week National Workshop on **Neural Network** and **Deep Learning** held from 21st Feb – 25Th Feb 2023, Organized by Department of CSE, **SUIIT, Burla, Odisha** - **Link**
- One Week International Workshop on Recent Advancement in Electronics and Computer Intelligence. **(RAECI -2021)**, program held on 26th to 30th April 2021. **- Link**
- Certification of **JavaScript** course from **Udemy - Link**

Area of Interest

- Sports
- Playing Video Games
- Graphic Designing
- Video Editing
- Football
- Volleyball
- Traveling
- Technology

About Me

A versatile Web Developer with expertise in Python, Django, and frontend technologies like React and Bootstrap. Experienced in building dynamic web applications, real-time embedded software, and teaching machine learning concepts. Currently focused on real-world machine learning and AI projects utilizing deep learning and large language models (LLMs). Skilled in delivering high-quality, responsive web solutions with a focus on both backend and frontend development.

Professional Experience

Databits Technologies | Technical & IT Instructor

2024 – Present   *Kolkata*

Key Responsibilities:

- Expert in Web Development (MERN Stack) and AI/ML, with experience in delivering innovative projects, solutions, and personalized project guidance to students applying MERN stack and ML skills in real-world scenarios.
- Lead training sessions, design interactive materials, and integrate new Machine Learning techniques into the curriculum to help students stay updated with industry trends.

Training Experience

GLA University

- **AI and Machine Learning :** Types of Learning, Neural Networks, Training and Testing, Deep Learning, Types of Algorithms , Model Evaluation, Feature Engineering, Bias and Variance

Gandhi Institute Of Technology

- **Data Analysis and Machine Learning :** Data Preprocessing, Data Interpretation, Machine Learning Algorithms.

Rourkela Steel Plant(RSP) | Vocational Training-RMHP

[MAY 2023]-[JUNE 2023]- 1 Month Training

I was learned about how RSP works, the turnover per year, how to handle the Raw material on field & using technology and Safety measures.

OASIS INFOBYTE | Web Development and Designing

1 Month Internship

Created Projects on Web development and uploaded in Github.

PROJECTS

Advanced Watermarking Security - Link

- In this, we embed the watermark into the host image and try different types of image processing attacks and recovery the image using a hybrid method. This project enhances the security of watermarking and host image
- The technology used: MATLAB

Wine Quality Prediction - Link

- Developed a wine quality prediction model using machine learning techniques, including feature engineering, ensemble methods, and hyperparameter tuning, to enhance accuracy. Deployed the model as a web application, allowing users to input wine characteristics for quality predictions.
- The Technologies Used: Python, Flask, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, and Google Colab.

Personal Portfolio using React - Link

- My advanced React portfolio showcases my projects, skills, and experience with creative CSS animations and smooth transitions. It features a landing page, about section, skills, projects, and contact details. Built with React, Bootstrap, and Tailwind, it's fully responsive with a modern, dynamic design.
- The technology used: VS Code, HTML, CSS, JS, REACT