Amit Kumar

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EDUCATION

Central Institute of Technology (Kokrajhar, Assam)   **2021 – 2024**
Bachelor of Engineering in Computer Science and Engineering   *CGPA - 6.52*

Government Polytechnic College (Dumka, Jharkhand)   **2018 – 2021**
Diploma Computer Science and Engineering   *Percentage - 76*

INDUSTRIAL TRAINING

Web Programming (Jharkhand IT Services)   **November2020 - December 2020**
- Acquired hands-on experience in web programming technologies and tools through industrial training.
- Gained practical skills in implementing and managing web solutions, boosting proficiency in web programming.

Industrial Training (NIELIT)   **June 2023 - July2023**
- Trained in machine learning algorithms and Python libraries for advanced data analysis and modeling.
- Gained expertise in utilizing Python libraries for effective data processing and machine learning applications.

PROJECTS

○ T20-Cricket-Score-Prediction || Github Repo
- Developed and deployed an advanced machine learning model to accurately predict T20 cricket scores, leveraging extensive historical match data to support data-driven decision-making processes in real-time scenarios.
- Implemented sophisticated predictive algorithms that account for critical match factors such as current run rate, wickets lost, and remaining overs, significantly improving the model's accuracy and reliability under various game conditions.
- Utilized Streamlit for an interactive front-end and PyCharm for efficient development, resulting in a seamless user interface that delivers real-time score predictions and enhances user engagement.

○ Verifiable Secret Image Sharing with Blockchain Encryption
- Developed a secure, robust system by integrating homomorphic encryption, verifiable secret sharing, and blockchain technology for efficient image data distribution.
- Significantly enhanced data privacy, security, and integrity by enabling advanced computations on encrypted data, ensuring verifiable participant honesty and compliance.
- Successfully integrated cutting-edge blockchain technology to create a decentralized, tamper-proof, and scalable environment for secure and transparent image sharing.

TECHNICAL SKILLS

- **Programming Languages:** C/C++, Python
- **Web Development:** HTML, Tailwind CSS, JavaScript, React.Js
- **Databases:** MySQL
- **Libraries:** Python Libraries
- **Tools:** Figma, VS Code, GitHub, Git Bash, MS Word, PowerPoint, Excel
- **Fundamentals:** Data Structures, OOPS, Operating Systems, DBMS, Software Engineering

CERTIFICATIONS

- C Language Certification (Mysirg Education Services Pvt. Ltd.)   Certificate
- Machine Learning using Python (NIELIT College)   Certificate
- Data structure and algorithms Using C Language.   Certificate
- Ultimate Java master class   Certificate

LEADERSHIP & EXTRACURRICULAR

- Self-motivated, dedicated, and proactive in assuming responsibility.
- Good planning and problem-solving skills.
- Passionate about teaching and mentoring in math and chemistry.
- Skilled in making decisions, particularly under pressure.
- Led a chapter of 30+ members in community service and academic initiatives.