

Om Shankar Thakur

7903301466 - [Portfolio](#) - omshankar466@gmail.com - [LinkedIn](#) - [GitHub](#)

EDUCATION

Bachelor of Technology

Computer Science Engineering ,CGPA - 9.3

Amity University Jharkhand

August, 2021 - Current

Intermediate

Percentage - 66

BBP Inter College, Jharkhand

July 2021

Matriculation

Percentage - 75

St. Joseph's School, Jharkhand

May 2016

TECHNICAL SKILLS

Programming Languages: Python, C++

Libraries and Tools: PyTorch, Sklearn, Pandas, Numpy, OpenCV, Git

ML Architectures: CNN, YOLO, Transformers(BERT, LSTM)

Interests: Deep Learning, Computer Vision, Natural Language Processing

WORK EXPERIENCE

Software Engineer Intern

Surusha Technology Pvt Ltd

Sep 2023 - Present

- Currently building an industrial-level Learning Management System (LMS) utilizing MERN stack with TypeScript, that integrates the latest developments like Next.js 13, RTK Query, MongoDB, Redis, and Node.js.
- Coordinated the design and development of a comprehensive Qt C++ software programme to satisfy the various requirements of researchers that study chemistry and employed sophisticated programming abilities to develop an intuitive user interface that allowed chemists to collaborate easily on experiments and data processing.

Machine Learning Engineer

CodSoft, [Certificate](#)

Sep 2023 - Oct 2023

- Worked on three data science projects that demonstrated a variety of skills, including NLP-Based Movie Genre Prediction, Fraud Detection Model Development, and Churn Prediction Model Optimisation.
- Explored text preprocessing and lemmatization to extract meaningful insights from movie plot summaries, applied advanced machine learning techniques, including Logistic Regression, for effective binary classification and successfully fine-tuned hyperparameters, notably improving Random Forest and Gradient Boosting models.

PROJECTS

- **Drowsiness Detection System With Real-Time Functionalities** - Python-based project that uses Tensorflow, keras, OpenCVb libraries to detect the drowsiness of a driver in real-time. Image processing algorithm analyzes the images captured by the camera and detect the slow eye blinking and and eye closure duration. Supervised machine learning algorithm is implemented which classifies the level of drowsiness based on the features extracted from the image processing algorithm. Alert system notifies the driver when he/she is drowsy. As alert it sends messages to the selected contacts sharing the Geolocation of the user. [GitHub](#)
- **24-Hour-Face-Detection-Attendance-System-Challenge**-, This system can identify individuals, record their attendance, and store the data securely in a database. It offers a user-friendly interface and can be used in various settings, such as schools, workplaces, and events, to streamline attendance management.Developed and implemented a Siamese Neural Network that uses a unique embedding model with convolutional layers to evaluate picture similarity.Hyperparameters were effectively adjusted to maximise the embedding model's capacity to capture subtle information, improving the network's overall performance. [GitHub](#)

LICENCES AND CERTIFICATIONS

- JAVA Certificate, HackerRank [View](#)
- Problem Solving, HackerRank [View](#)

EXTRACURRICULAR ACTIVITIES

- **1st Runner Up** in Hackathon (IIIT, Ranchi) - May, 2023
- **Event Coordinator** in Univesrity Club - April, 2023
- **Vice-President** in Students' Tech Club - March, 2024