

Shardendu Mishra

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Education

Bansal Institute of Engineering and Technology

Sep. 2022 – May 2026

Bachelor of Technology in Computer Science- AI & ML (CGPA:8.00)

Lucknow, Uttar Pradesh

Relevant Coursework

- Artificial Intelligence
- Operating Systems
- Object Oriented Programming
- DBMS
- Computer Networks
- Data Structures
- Software Engineering

Projects

CapLens – A Personal Investment Portfolio Management Tool | *Python, Pandas, Matplotlib,MySQL*

Jan 2025-Present

- Developed a Python-based portfolio management tool to track, analyze, and visualize investment performance.
- Designed a database schema using MySQL to store transaction history, stock holdings, and performance metrics.
- Integrated real-time financial data APIs to fetch stock prices, historical trends, and portfolio valuation updates.
- Implemented data processing and analysis using Pandas to generate insights on asset allocation, risk assessment, and diversification.
- Visualized portfolio performance trends with Matplotlib/Plotly, creating interactive dashboards for better decision-making.

Toxic Comment Detector | *Python, TensorFlow, Scikit-Learn, Pandas, NumPy, NLTK*

Oct 2024 – Dec 2024

- Developed an NLP-based model to detect and classify toxic comments in online discussions. The system identifies multiple categories of toxicity, including threats, insults, and obscene language..
- Preprocessed text data using tokenization, stopwords removal, and TF-IDF vectorization.
- Trained a deep learning model (LSTM) for multi-label classification of toxic comments.

Content-Based Movie Recommender System | *Python, Pandas, NumPy, Scikit-Learn, Matplotlib*

Mar 2024 – July 2024

- Developed a recommender system to suggest movies based on user preferences and past interactions.
- Developed a content-based filtering approach using TF-IDF vectorization for similarity measurement.
- Evaluated model performance using RMSE (Root Mean Squared Error) and precision-recall metrics.

Eye-Controlled Mouse | *Python, OpenCV, Mediapipe, PyAutoGUI*

Sep 2023 – Jan 2024

- Developed a python project for physically disabled person to operate a computer through eye gestures.
- Users can perform basic operations like moving a cursor and clicking on items, scrolling through simple eye gestures like blinking.

Experience

HCL Technologies

Oct 2024 – Present

Data Engineering Trainee

Lucknow, Uttar Pradesh

- Developed hands-on expertise in data engineering concepts, including ETL (Extract, Transform, Load) processes, data warehousing, and data pipeline automation.
- Engineered efficient data workflows using Python, SQL, and Big Data technologies to process and analyze large datasets.
- Designed and optimized relational and non-relational database schemas, ensuring scalability and performance for structured and unstructured data.
- Collaborated on real-world case studies, applying industry best practices in data modeling, processing, and transformation.

Sofcon India

Oct 2023 – Dec 2023

Web Development Trainee

Lucknow, Uttar Pradesh

- Developed proficiency in HTML, CSS, JavaScript, and related technologies through hands-on training modules from SofCon India Pvt. Ltd.
- Contributed to group projects, learning effective communication and teamwork skills while working alongside peers and mentors in a professional setting.
- Acquired problem-solving skills by tackling real-world challenges in web development, demonstrating adaptability and a keen analytical mindset during training sessions.

Technical Skills

Languages: Python, Java, JavaScript, C/C++, HTML/CSS

Frameworks: Tailwind CSS, Express.js, Bootstrap

Libraries: Pandas, NumPy, Matplotlib, PySpark, Scikit-learn, Keras, NLTK

Technologies: Git, GitHub

Developer Tools: VS Code, Eclipse, Google Cloud Platform, PyCharm, Google Colab, Jupyter