DEEPAK KUMAR SINGH

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EDUCATION

Bachelor of Engineering (B.E) in Computer Science

September 2021 – September 2025 | Dr. Bhimrao Ambedkar University | Agra, India

- Graduated and a specialist focus in software development and UI Designing
- COURSEWORK:
  - Mathematics
  - Data Structure, C, Python, DBMS
  - Artificial Intelligence & Machine Learning

Intermediate (10 + 2)

April 2018 – April 2020 | Shandilya Public School | Varanasi, India

- Completed with a good aggregation Specially in Mathematics and Science

EXPERIENCE

Software Developer Intern

June 2024 – August 2024 | Extion Infotech | Agra, India

- Work with Software Management Teams and Learned a lot of things
- Work on a project (ML) a data predictive model that can used to enhance medical imaging system.

Web Development Intern

April 2018 – April 2020 | Udemy | Remote

- Learn MERN stack working on different projects of website designing (Frontend & Backend technologies)

Projects

3D Model Tracer

- Developed an interactive system to manipulate 3D models in real time using hand gestures detected through a webcam enabling actions like **rotation, zoom, and movement** of models based on finger tracking. Smooth motion control using optimized gesture mapping and noise reduction techniques.
- Technology Suite: **Python, MediaPipe, OpenGL, PyopenGL**

Human Activity Detection

- Developed a machine learning-based system to automatically detect and classify human activities such as walking, running, sitting, and standing using sensor or video data.
- Technology Suite: Python **TensorFlow** and **Scikit-learn, OpenCV**

E-Commerce Website (RustiqueMud)

- Developed a responsive e-commerce website for **Rustiquemud Soap**, a handcrafted soap brand.

Skills

- **Technical**
  - C, Python, JavaScript
  - MongoDB, MySQL,
  - Problem Solving
- **Communication & Others**
  - English, Hindi