# Ishant Kumar

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## TECHNICAL SKILLS/COURSEWORK

**Languages:** SQL, Python, HTML
**Technologies/Framework/library:** Git, MongoDB, NumPy, Pandas, Matplotlib, Docker
**Coursework:** Data Structures and Algorithms, OOPS Concept, Relational Database Management System, Deep Learning, Computer Vision, NLP.

## PROJECTS

**AI-Based Dermatological Diagnosis Tool**

Description**:** Developed an AI-based tool for the preliminary diagnosis of dermatological manifestations, achieving **96% accuracy** in classifying **23 different skin conditions**.

-Leveraged transfer learning by **fine-tuning a pre-trained DenseNet-121 model** on a curated and pre-processed skin disease image dataset.

Technical Skills: **React.js, MongoDB, Fast API, Keras, Python**

**Resume Intelligence using RAG and Web Extraction**

-Built a Retrieval-Augmented Generation (RAG) system that analyzes resumes, extracts web links, scrapes external scrapes external data, and answers queries using LLMs. Integrated dynamic web content retrieval and context-aware using LLMs. Integrated dynamic web content retrieval and context-aware Q&A generation

Technical Skills: LangChain, FAISS, Google Generative AI Embeddings, PyPDFLoader, WebBaseLoader, ChatGroq ( LLaMA3), Python, Regex, FastAPI

**Disaster Severity Indicator System**

-Developed a deep learning model to predict the severity of a disaster based on incoming pictures, effectively distinguishing between severe, mild, and non-disaster scenarios

Technical Skills– **Keras, NumPy, MongoDB**

## EDUCATION

**Noida Institute of Engineering and Technology** **2020 – 2024**

***-B-Tech (Computer Science Engineering) – with specialization in (Artificial Intelligence and Machine learning) -(With Honors)*** *– 75.9* *Noida, India*

***Doon Sr. Secondary School****-CBSE – Class XII – 71.8*

***St. Xavier's High School****-CBSE – Class X – 91.2*

## CERTIFICATIONS

-Introduction to Deep Learning & Neural Network with Keras
-Machine Learning with Python
-Introduction to NoSQL Databases
-Machine Learning Foundations: A Case Study Approach
-Introduction to Computer Vision and Image Processing

## LANGUAGES

-Hindi, English