# Manish Kumar

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## OBJECTIVE

Entry-level professional skilled in full-stack web development and artificial intelligence, with hands-on experience in machine learning and data analysis. Seeking a role to apply expertise in JavaScript, Python, SQL, and modern frameworks to build and deploy robust, intelligent software solutions.

## EDUCATION

### NMAM Institute of Technology
*B.Tech in Artificial Intelligence and Data Science; **CGPA: 8.06*** *August 2022 – May 2026*

### Dr. N.S.A.M. Pre-University College
*Class XII (Science); **Percentage: 78.8;*** *2020 – 2022*

## SKILLS

**Languages:** JavaScript, TypeScript, Python, C++, Java, SQL
**Technologies:** Node.js, React.js, Next.js, WebSocket, MySQL, MongoDB, PostgreSQL, Prisma ORM, Version Control
**DevOps:** CI/CD Pipeline, Docker, Microsoft Azure
**Tools & Platforms:** GitHub, Postman, Burp Suite, Excel, Kaggle, VS Code
**Spoken Languages:** English, Hindi, Kannada, Tulu

## PROJECTS

### AI-Powered Legal Case Retrieval System | (In Development)
- Developing a semantic search engine for legal case discovery, leveraging a Retrieval-Augmented Generation (RAG) framework and a fine-tuned LLM. The system is being designed to understand the contextual nuances of legal queries, improving research accuracy by enabling lawyers to find relevant case precedents more efficiently

### Department Website (AI&DS) | *GitHub* *Live*
- Built a full-stack platform for the AI  Data Science department using Next.js, Prisma, and ShadCN, featuring secure user authentication, an admin dashboard, and a responsive design. The platform centralizes departmental resources and streamlines communication.

### Full-Stack Brain Tumor Prediction Tool | *GitHub*
- Developed a brain tumor detection web app integrating a CNN model (86 % accuracy) with Next.js, Prisma, and ShadCN for the front-end and back-end, and Flask for model inference. Users can upload MRI images and receive instant diagnostic results via a seamless interface.

### News Summarization (LSTM) | *GitHub*
- Developed an abstractive text summarization tool by implementing a sequence-to-sequence model with LSTM and Transformer architectures to generate concise, human-readable summaries from news articles. Trained on the BBC News Summary dataset of over 2,225 articles, the model's validation loss was successfully reduced from 0.1672 to 0.0937 over 10 epochs. The resulting tool effectively produces coherent summaries from full-length articles

## CERTIFICATES

### Introduction to Internet of Things (NPTEL) | *Certificate Link* *2024*
*IoT System and Implementation*

### Foundations of Cybersecurity (Google) | *Certificate Link* *2023*
*Basics of cybersecurity, including data protection, threat analysis, and cryptograph*