# NAKSHATRA TRIVEDI

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## EDUCATION

**Madhav Institute of Technology and Science, Gwalior**                    **Aug 2021 - May 2025**
*Bachelor of Technology, Artificial Intelligence and Machine Learning*
· **Achievements:** CGPA: 8.21

## SKILLS

· **Programming Languages:** Python, C++, JavaScript, SQL, TypeScript,
· **Frameworks and libraries :** Node.js, Express.js, React.js, Next.js, Flask, Streamlit, Langchain(LLM), LangGraph.
· **Core Subjects :** OOPS, Operating Systems, DBMS, Software Engineering, Data Structures and Algorithm
· **Cloud Services**:  AWS(Amplify, EC2, S3) basics, CI/CD, Docker
· **Database & Storage** :MySQL, MongoDB, PostgreSQL, Redis.
· **AI & Machine Learning Tools :** TensorFlow, Keras, Huggingface, PyTorch, OpenCV, GenAI (Generative AI), RAG (Retrieval-Augmented Generation), LLM (Large Language Models), NLP, BERT.

## EXPERIENCE

**Storytent** 🔗                                         **Aug 2024 - Dec 2024**
*Software Developer Intern(Backend)*                                    *Remote*

- Led enhancements to event management systems for 10+ high-profile literary events, collaborating with partners like BITS Pilani and DTU, positively impacting over 1,000 participants.
- Developed and maintained scalable applications using Node.js, Express.js and MongoDB, React, React Native (Android), achieving a 30% increase in development efficiency.
- Optimized existing codebase and delivered complex RESTful API integrations, improving backend performance by 40%.

**Tirth** 🔗                                           **Nov 2023 - April 2024**
*Backend developer Intern*                                          *Remote*

- Designed and developed backend architecture using Node.js, Express, Sequelize ORM, SQL, and AWS, boosting user engagement by 70%.
- Successfully launched the website which was **featured in a national newspaper** and garnered attention at a **high-profile event**, increasing visibility by 50%.
- Streamlined file storage by integrating **Amazon S3** and built robust integrations with the Climate API, alongside crafting comprehensive **JEST** test cases to ensure end-to-end system reliability.

**Singlebit** 🔗                                         **May 2023 - Nov 2023**
*Software Developer Intern*                                         *Remote*

- Delivered **two client projects** ahead of schedule by **20%**, earning a **100% client satisfaction rate** and exceeding delivery expectations.
- Innovated customized client functionalities with modern frameworks, enhancing usability and application performance by **20%**.

## PROJECTS

*PayMate* 🔗
· Crafted an advanced web solution founded on the MERN stack that facilitated secure login processes for over 1,000 active users while implementing efficient handling of transactions using **Instamojo** payment gateway.

*ChatMate* 🔗
· **Developed a real-time chat application** leveraging **Socket.io** for seamless communication, enabling instant messaging with features like image uploads and public sharing.
· Designed a scalable backend architecture with **Sequelize ORM**, optimizing database queries and improving operational efficiency by **20%**.

*Face Recognition System* 🔗
· Championed deep learning initiatives by implementing strategies with **Inception-resne**t framework; secured consistent accuracy above benchmarks set by competing models while achieving processing speeds under two seconds for real-time applications.

## CERTIFICATES AND ACHIEVEMENTS

· **Data Analytics with Python**: (2024) - NPTEL (**Silver + Elite**)
· **Big Data Computing**: (2024) - NPTEL (**Silver + Elite**)
· **GYWS Light NGO** - Core Team Member (affiliated to **IIT Kharagpur**)