# ESHAAN GUPTA

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## EDUCATION

B.Tech in Artificial Intelligence and Machine Learning | University School of Automation and Robotics | Guru Gobind Singh Indraprastha University, Delhi
**8.7 CGPA**
Class XII | Mount St Mary's School, Delhi
**94%**
Class X | Mount St Mary's School, Delhi
**92%**

## TECHNICAL SKILLS

- Full MERN Stack Web Developer
- Deep Learning
- Machine Learning
- Image Processing
- Natural Language Processing
- UI/UX Designing
- MS Office

## LANGUAGES

- Python
- JavaScript
- React Framework
- C
- Go Lang

## CERTIFICATIONS

- Cyber Security and Ethical Hacking - **MSME, Gov of India**
- Artificial Intelligence with Machine Learning - **Pregrad**
- Time Series Analysis - **Udemy**
- Full Stack Web Development - **Udemy**

## HONOURS

- **Brij Gala Goel Award for Topper in Mathematics.**
- **3rd Position in SRM Hackathon.**

## WORK EXPERIENCE

**FULL STACK WEB DEVELOPER, QUAMIN TECH SOLUTIONS LLP, 2024-2025**
A startup that aims at providing cheap and affordable tech services along with advance technologies to farmers to increase their productivity

- **IT Strategy Consulting:** Aligning IT infrastructure with business objectives to drive efficiency and innovation.
- **Cloud Computing Services:** Tailored solutions to enhance scalability and operational agility.
- **Cybersecurity Consulting:** Robust protection against cyber threats to secure critical assets and data.
- **Data Analytics Consulting:** Leveraging advanced analytics to drive growth and informed decision-making.
- **Managed IT Services:** Streamlining operations through proactive support and strategic IT planning.
- **Digital Transformation Consulting:** Guiding businesses through digital evolution with expertise in strategy and customer experience design.

**VOCATIONAL TRAINEE, SASAN POWER PLANT LTD., RELIANCE**

- Study of how Sasan Power Plant operates and principles of power generation.
- Worked on **Grid Frequency Prediction using concepts of Time Series Analysis and Machine Learning.**
- Researched on patterns observed in the grid frequency using **Exploratory Data Analysis**.

**VOLUNTEER, THE AMOLI TRUST, 2022-Present**.

- A youth-run organization that works for prevention of Child Sexual Abuse by conducting interactive and informative sessions for primary classes in schools.
- **Taking sessions** in different schools of Delhi and educating children about **child sexual abuse.**

**WEB DEVELOPER INTERN, DANT VILLA DENTAL CLINIC**

- **Designed and developed** the website for Dant Villa Dental clinic with functionality to contact doctors with just a click of a button.

**ACM, USAR, FRONTEND WEB DEVELOPER, 2024-Present**

- **Designed and developed** the website for **Association for Computing Machinery**.

**VICE PRESIDENT, THE SCIENCE CLUB OF USAR, 2024-Present**

- Organized visits like **National Physics Laboratory, Indian Mobile Congress.**
- Organized various competitions in the college.

## PROJECTS

**DineDash**

- Online food delivering dummy website made for learning purposes using MERN stack
- User friendly design with minimalistic approach.
- Online payment gateway using Stripe.

**Vigyaan**

- A machine learning platform to conduct machine learning model training and exploratory data analysis.
- Using a virtual machine from Oracle to host the backend for the project. The project also involves a user login system which ensures all the data and passwords are encrypted before storing in the database.

**Grid Frequency Prediction using Machine Learning Models and Time Series Analysis**

- Performed EDA to make a model for predicting grid frequency.
- Observed recurrent patterns over 3 years of data.

**Korero - A machine learning model that converts ISL to text/speech**

- Converts Indian Sign Language to text/speech using a self prepared dataset accessible on Kaggle.
- Used OpenCV for detecting and capturing the sign and Convolutional Neural Networks for training and predicting the model.

**Delhi Electricity Power Demand predicting machine learning model using LSTM and Echo State Networks**

- Power demand prediction model with Mean Square Error (MSE) atmost 2%.
- Trained models using various techniques like ARIMA, SARIMA, SARIMAX, Echo State Network, LSTM, Decision Trees and basic models like Regression, SVM Regressor.

**Facial Expression Detection and checking the accuracy by various ML models**

- Used five machine learning models to test their performance and accuracy for detecting facial detection.
- Decision Trees performed the best with an accuracy of 99.8% while Bayesian Classifier performed the worst with an accuracy of 22%.