

# Eshaan Gupta

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## EDUCATION

### B.Tech in Artificial Intelligence and Machine Learning

University School of Automation and Robotics

CGPA: 8.7

Class XII & X

Percentage: 94% (XII), 92% (X)

Guru Gobind Singh Indraprastha University, Delhi

Mount St Mary's School, Delhi

## WORK EXPERIENCE

### Full Stack Web Developer

Quamin Tech Solutions LLP, 2024–2025

- Developed and maintained web applications using the MERN stack.
- Integrated chat bot and market analyzer into the farmer's dashboard.

### Vocational Trainee

Sasan Power Plant Ltd. (Reliance)

- Studied plant operations and principles of power generation.
- Implemented grid frequency prediction using time series analysis and machine learning achieving 80% accuracy.
- Conducted exploratory data analysis to identify recurring patterns.

### Web Developer Intern

Dant Villa Dental Clinic

- Designed and developed a user-friendly website with one-click contact features.

### ACM, USAR – Frontend Web Developer

2024–Present

- Created and maintained the official website for the Association for Computing Machinery at USAR.

### Vice President, The Science Club of USAR

2024–Present

- Organized educational visits (e.g., National Physics Laboratory, Indian Mobile Congress) and competitions.

## PROJECTS

### DineDash

Online food delivery website (MERN stack)

- Developed a responsive, minimalistic design with an integrated Stripe payment gateway.

### Vigyaan

Machine learning platform for model training and exploratory data analysis

- Deployed backend on an Oracle Virtual Machine with secure user login and encrypted data storage.

### Grid Frequency Prediction

- Built machine learning models using time series analysis to predict grid frequency based on three years of data.

### Korero

Indian Sign Language to text/speech conversion

- Employed OpenCV for gesture detection and CNNs for model training and prediction.

### Electricity Power Demand Prediction

- Utilized models including LSTM, Echo State Networks, ARIMA, and regression to achieve MSE within 2%.

### Facial Expression Detection

- Compared multiple machine learning models; Decision Trees achieved an accuracy of 99.8%.

## TECHNICAL SKILLS

- Programming:** Python, JavaScript, C, Go
- Web Development:** MERN Stack, React, HTML/CSS, Node.js, Express
- Machine Learning:** Deep Learning, Data Analytics, Time Series Analysis, Regression, SVM
- Frameworks/Tools:** OpenCV, Stripe, Oracle Cloud, Git, MS Office
- Other:** UI/UX Design, Cybersecurity Fundamentals, Cloud Computing, Exploratory Data Analysis

## CERTIFICATIONS

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

## HONOURS

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- Brij Gala Goel Award for Topper in Mathematics
- 3rd Position in SRM Hackathon
- Top 9 in the Great Bengaluru Hackathon