Eshaan Gupta

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Education

B.Tech in Artificial Intelligence and Machine Learning — *Guru Gobind Singh Indraprastha University, Delhi*
University School of Automation and Robotics
CGPA: 8.7

Class XII & X — *Mount St Mary's School, Delhi*
Percentage: 94% (XII), 92% (X)

Professional 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.

Projects

DineDash — Project Link
Online food delivery website (MERN stack)

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

Vigyaan — Project Link
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 — Project Link

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

Korero — Project Link
Indian Sign Language to text/speech conversion

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

Electricity Power Demand Prediction — Project Link

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

Facial Expression Detection — Project Link

- 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

- 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

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