

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

PROFESSIONAL EXPERIENCE

Full Stack Web Developer

- Developed and maintained web applications using the MERN stack.
- Integrated chatbot and market analyzer into the farmer dashboard.

Quamin Tech Solutions LLP, 2024–2025

Vocational Trainee

- Implemented grid frequency prediction achieving 80% accuracy.
- Conducted exploratory data analysis on power generation data.

Sasan Power Plant Ltd. (Reliance)

IBM SkillsBuild Intern

- Developed a Generative AI model using the IBM GenAI platform.

IBM SkillsBuild Internship Programme

Web Developer Intern

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

Dant Villa Dental Clinic

ACM, USAR – Frontend Web Developer

- Created and maintained the official ACM USAR website.

2024–Present

PROJECTS

Diabetic Retinopathy Detection (Ongoing)

- Pre-processed retinal scans and detecting Diabetic Retinopathy and classifying into 5 classes using various model architecture like InceptionV3, EfficientNetV2B0, ResNet18/34/151, ConvNext_small and self made Deep CNN architecture with an accuracy of 91%.

Project Link

Vigyaan

- Machine learning platform for model training and EDA.

Project Link

Grid Frequency Prediction

- Built time series models to predict grid frequency from 3 years of data.

Project Link

Electricity Power Demand Prediction

- Achieved MSE within 2% using LSTM, ESN, ARIMA, and regression models.

Project Link

Facial Expression Detection

- Decision Trees achieved 99.8% accuracy among tested ML models.

Project Link

Korero

- Indian Sign Language to text/speech conversion using OpenCV and CNNs.

Project Link

DineDash

- Online food delivery website (MERN stack) with Stripe integration.

Project Link

TECHNICAL SKILLS

- Programming:** Python, JavaScript, C, Go
- Web Dev:** MERN Stack, React, Node.js, HTML/CSS, REST APIs
- ML/DL:** CNNs, LSTMs, ARIMA, ESNs, Decision Trees, Regression, Time Series Forecasting, EDA
- Tools:** TensorFlow, PyTorch, OpenCV, Stripe, Git, Oracle Cloud, Jupyter, Google Colab
- Other:** UI/UX Design, Cybersecurity, Cloud Computing, Model Deployment, Sign Language Recognition

CERTIFICATIONS

- Cyber Security and Ethical Hacking, MSME
- 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, SRM Hackathon
- Top 9, Great Bengaluru Hackathon
- Top 30, Smart India Hackathon, 2023 (Team Leader)
- Top 30, Smart India Hackathon, 2024