

# Ayush Gupta

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## EDUCATION

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### Electronics and Telecommunication Engineering

Sardar Patel Institute Of Technology

Nov. 2022 – Present

Mumbai, India

### HSC

Nirmala Memorial Foundation College of Science

Aug. 2021

Mumbai, India

### CBSE

MKVV International Vidyalaya

May 2019

Mumbai, India

## WORK EXPERIENCE

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### Software Development Intern

DigiPlus IT

Jan. 2026 – Jun. 2026

Mumbai, India

- Developed and enhanced a production-grade **Enterprise Resource & Campaign Management System** using **React, Node.js, Express, and MongoDB**, building scalable REST APIs, automating invoice and proposal workflows, optimizing reporting dashboards, integrating AWS S3 for document storage, and delivering high-performance features in an Agile development environment.

## PROJECTS

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### One Page Company Profile – Eternal Ltd

Dec. 2025

- Compiled and analyzed historical financials and trading multiples (EV/Sales, EV/EBITDA, P/E) to evaluate valuation trends and operational performance.
- Assessed ownership structure, capital position, and integrated recent strategic developments to contextualize valuation outlook.

### Quadcopter: Automatic License Plate Recognition | Python, YOLOv8, OpenCV

November 2025

- Built a real-time UAV-based **license plate recognition system** using **YOLOv8 (Ultralytics)**, **EasyOCR**, **OpenCV**, and **SORT**, performing inference on **analog video transmission**.
- Improved detection accuracy from **0.86 to 0.92 mAP@0.5** via a **cloud-ground retraining pipeline** (Google Colab, Tesla T4) and optimized latency to **169–209 ms** under noisy, real-world conditions.

### Jasdaq: Low Latency Stock Trading Engine | Java, Spring Boot, MySQL

Aug. 2025

- Built a full-stack HFT system using Spring Boot, Django, React, and MySQL with a real-time price-time priority matching engine, WebSocket live order book updates, and UDP multicast for low-latency market data broadcast.
- Designed an admin-controlled share-pool mechanism via Django Admin that auto-injects IPO SELL orders into the matching engine; trade results are dual-broadcast over UDP multicast and WebSocket STOMP for browser clients.

## TECHNICAL SKILLS

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**Languages:** Python, Java, SQL

**Frameworks:** Django, Flask, React

**Platforms & Tools:** Excel, Power BI

**Finance Skills:** Financial Statement Analysis, M&A, Capital Budgeting Techniques

## CERTIFICATIONS

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**Finance:** Introduction to Corporate Finance (Great Learning Academy)

**Analytics:** Business Analytics (Techfest, IIT Bombay)

## POSITION OF RESPONSIBILITY

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### Training and Placement Coordinator | S.P.I.T

June 2024

- Managed end-to-end campus recruitment operations, coordinating with firms such as **Barclays** and **WorkIndia**, maintaining placement databases, and acting as the primary interface between recruiters, faculty, and students.