

ESHANI PARULEKAR

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EDUCATION

B.Tech -Computer Science & Artificial Intelligence	Plaksha University	7.45 CGPA	2027
12th - HSC (Science)	St. Xavier's Junior College, Mumbai	77.8%	2023
10th - ICSE	VCW Arya Vidya Mandir, Bandra (East)	94.6%	2021

WORK EXPERIENCE

Summer Intern | *Ernst & Young LLP* May 2025 – July 2025

- Automated regulatory change tracking by **scraping regulatory body websites** using **Selenium Webdriver + NLP pipelines**, enabling compliance teams to receive **actionable summarized reports** with reduced manual effort.
- Developed an **ML tool** to detect and flag **false urgency patterns** on e-commerce sites using **real-time anomaly detection models**, strengthening consumer protection audits.

DevOps Intern | *Dixon IoT Lab, Plaksha University* Sept 2024 – Nov 2024

- Implemented ETL pipelines to **convert batch smart socket data** using **Apache NiFi**, streamlining ingestion for downstream analysis.
- Created query-based data extraction **scripts in Python** to flexibly retrieve metrics, improving researcher productivity and reproducibility.
- Configured **Kafka monitoring stack** with JMX Exporter, Prometheus, and Grafana, enabling **real-time visualization of IoT metrics** for system reliability.

PROJECTS

Golang Security Analysis Enhancements | *gosec, GitHub* September 2025

- Contributed to *Gosec*, Golang's static analysis tool, by **strengthening detection rules** with refined file path taint checks (G304) and expanded SQL injection checks (G202), **reducing false positives and improving developer trust**.
- Fixed nil-context crashes and added coverage for edge cases, **increasing test reliability with 42/42 cases passing**.

Open Source Contributions | *Pypdf2, Open Source Connect India, Cloudflare-docs* June 2025- August 2025

- Enhanced documentation in **fpdf/pypdf** by integrating Ibis with fpdf2 for rendering DataFrames as PDFs, using **DuckDB examples and code clarifications**, ensuring **clearer developer onboarding and traceability** via `CHANGELOG.md`.
- Resolved Issue #34 in **Issue Match (Open Source Connect India)** by fixing footer social links—removed placeholders, retained valid GitHub/email, replaced insecure `<Link>` with `<a>` tags, and addressed npm deprecation issues, **improving usability and security**.
- Improved Cloudflare registrar docs by **fixing broken external links** (Issues #24819, #24821), ensuring **up-to-date, consistent, and reliable user documentation**.

Multimodal IPO Binary Classification | *Prof. Siddharth S.* Jan 2025 – May 2025

- Built a **neural network** combining RHP text, financial data, and market sentiment using **multimodal learning**, achieving **90% accuracy, 94% F1-score, and 96% recall** in IPO success prediction.
- Developed a **RAG pipeline** to extract targeted RHP sections via 25 domain-specific queries, **improving feature relevance and model performance**.
- Experimented with **large-context LLMs** (Yi-34B-200K), **LangChain + TinyLlama**, and **MiniLM-L6 with Mistral 7B**, identifying optimal trade-offs between context size and computational efficiency.

POSITIONS OF RESPONSIBILITY

Head of Classical Department | *One-o-One Dance Club, Plaksha University* Aug 2024 – Present

- Organized the flagship **Traditional Day** cultural event by coordinating performances and logistics using structured scheduling, resulting in a smooth event experience for 200+ attendees.

Member | *LEAP AI Club, Plaksha University* Jan 2024 – May 2025

- Built the club's **official website** using **Next.js and TailwindCSS**, establishing an online presence and streamlining event communication.
- Developed **LEAPDraw**, a sketch-recognition ML system using **CNNs + QuickDraw! dataset**, enabling interactive AI-based doodle classification.

Co-Founder | *Owlett* Jan 2019 – Feb 2020

- Created a youth-focused platform by simplifying complex articles in **politics, economics, business, and social issues** using accessible language and design, resulting in 350+ articles and 20k+ views.
- Pitched Owlett as a student-led initiative in ENpower's **India Future Tycoons Season 1**, achieving second runner-up among 100+ teams.
- Presented at the **UNSDG Global Compact Network Summit** in Mumbai and was felicitated for the same.

SKILLS

Programming Languages: JavaScript, Python, Golang.

Frameworks & Libraries: Next.js, React, Tailwind CSS, Node.js.

Certifications: Cisco Certified Network Associate (CCNA).

ACHIEVEMENTS

- Visharad Purna (Bachelor of Arts Equivalent) in Kathak** | *Akhil Bharatiya Gandharva Vidyalyaya* December 2023
- Speaker** | *United Nations Global Compact Network Conference, Mumbai.* May 2019
- Bronze Medalist** | *Queen's Commonwealth Essay Competition* October 2018
- State-level swimmer** | *Maharashtra State Amateur Aquatic Association* June 2015
- National Kathak Duet Competition Winner** | *Akhil Bharatiya Sanskritik Sangh's Global Harmony* May 2017
- National Top 25** | *Scholastic Writing Awards* August 2016