Yash Ganar

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Skills

Programming & AI: Python · Machine Learning · Deep Learning · Reinforcement Learning · Natural Language Processing (NLP) · Generative AI

Applied Domains: Algorithmic Trading · Research and Analysis

Creative & Tools: Adobe Premiere Pro · Figma · DaVinci Resolve

Communication & Strategy: Public Speaking · Presentation Skills · Content Strategy · Problem Solving

Projects,Research and Case Studies

SlopTeacher: Product Case Study Case Study Link /

- Identified a gap between producing code and being able to explain, debug, and extend a codebase
- Conceptualized SlopTeacher, a product that evaluates repository ownership through structured, codebase-specific interviews
- Led the product discovery process, translating user research and competitive analysis into product strategy and requirements
- Designed the end-to-end experience, from GitHub repository submission to diagnostic results and shareable proof of work
- Documented the product journey across problem discovery, research, product design, trade-offs, and future roadmap

Research Paper: Autonomous Intersection Management with RL Algorithms Article link /

- Developed autonomous intersection management algorithms using Reinforcement Learning (RL)
- Proposed two algorithms: Proximal Policy Optimization (PPO) and Advantage Actor-Critic (A2C)
- Designed reward functions for collision reduction and high throughput
- Evaluated performance across multiple metrics like collision avoidance, speed, and travel time
- Established a comparison to aid in selecting the most suitable algorithm for traffic management

Local RAG Project Link /

- Built a local Retrieval-Augmented Generation (RAG) system for querying user-provided documents using semantic search
- Implemented document ingestion, text chunking, embedding generation, vector retrieval, and context-aware response generation
- Designed the pipeline to retrieve relevant document context before generating responses, reducing reliance on model-only knowledge
- Enabled private, local document querying without requiring documents to be sent to external services
- Tools Used: TypeScript, React, Node.js, Python, Vector Database, LLM APIs

Work Experience

Data Quality Analyst, VIP (Vermont Information Processing) – Thane, Maharashtra May 2026 – Present

- Analyze and validate datasets to identify inconsistencies, errors, and data quality issues
- Perform data quality checks and investigate discrepancies across datasets to ensure data accuracy and integrity
- Support data cleaning, verification, and validation processes to improve overall data reliability
- Collaborate with internal teams to investigate and resolve data-related issues
- Develop expertise in data quality standards, validation processes, and analytical workflows

Product Development Intern, Algobulls – Mumbai, Maharashtra July 2025 – January 2026

- Redesigned the AlgoBulls interface to introduce features that help clients make faster investment decisions

- Contributed to a major product revamp, including new strategy filters and an improved interface
- Collaborated with cross-functional teams to enhance usability and client satisfaction

Business Development Intern, Algobulls – Mumbai, Maharashtra Jan 2025 – July 2025

- Handled 1000+ inbound calls, improving sales conversion rate by 20% and accelerating lead onboarding
- Contributed to generating 2x ROI during the internship period
- Created blogs, designed marketing strategies, and supported video editing for company content
- Designed YouTube thumbnails and posters to strengthen the company's digital presence

Research Intern, IITRAM – Ahmedabad, Gujarat Jun 2024 – July 2024

- Conducted comparative analysis of algorithms in highway and intersection environments
- Evaluated performance based on rewards, collisions, and average speed in each environment
- Identified the best-performing algorithm for specific traffic scenarios
- Tools Used: Python, Pytorch, HighwayEnv

Education and Certifications

Universal College of Engineering, BE in Computer Science, Specialized in Artificial Intelligence and Machine Learning Dec 2021 – Aug 2025
CGPA: 7.71

Coursera, GOOGLE UX DESIGN May 2025 – Nov 2025

Scribma, PYTHON BASICS Feb 2026

Scribma, JAVASCRIPT Feb 2026

Scribma, ES6 JAVASCRIPT Feb 2026

Scribma, EXPRESS JS Mar 2026

Scribma, SQL Apr 2026

Achievements and Extracurricular Experience

SIH Finalist, Smart India Hackathon 2024 Dec 2024

- Designed 10+ unique maps for the game "Sansthaein aur Sanvidhan," integrating engaging storylines to captivate users
- Contributed to a successful project that combined interactive learning with gaming elements to promote awareness about Indian governance and constitution

Vice President, Rotaract Club UCOE – Mumbai, Maharashtra Jun 2022 – July 2024

- Led the club to receive 3 ACERS, the most prestigious award for any Rotaract club, a historic achievement
- Secured 10 nominations and achieved a social media reach of 74k views, surpassing all previous records
- Edited videos that garnered 36k views, contributing 50% of the total views for the club
- Developed skills in team building, teamwork, and mentorship; mentored members to achieve their goals