BHUMIKA TIRGAR

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Objective

Aspiring AI/ML Engineer with strong hands-on experience in Python, Django, REST APIs, MySQL, and LLM-based applications. Proven ability to build backend systems, AI-powered tools, and data-driven solutions. Actively seeking an entry-level AI/ML Engineer or ML Engineer Intern role to apply machine learning concepts to real-world problems.

Experience

- **Bluehole (opc) private limited**   25/01 - 25/12
  Python Developer
  - Developed and maintained backend applications using Python and Django.
  - Designed and implemented RESTful APIs for scalable web applications.
  - Integrated MySQL databases, optimized queries, and handled CRUD operations.
  - Implemented authentication and authorization mechanisms.
  - Collaborated with team members to debug and enhance application performance.
- **Freelancer | UI/UX Designer & Python Developer**   01/2023 - 01/2024
  UI/UX Designer
  - Developed *Bpretty*, a minimalist cosmetic shopping app for influencers, focusing on user-friendly design.
  - Designed intuitive app screens and user flows in Figma to enhance user experiences.

Education

- **L.J. University**   2025
  B.C.A (Computer Applications)
  7.5
- **Hebron Higher Secondary School**   2022
  H.S.C
  70%
- **Trinity School**   2020
  S.S.C
  53.33%

Skills

- Programming: Python, SQL AI / ML: Machine Learning Basics, LLMs, Prompt Engineering, Vector Databases, NLP (Foundational) Frameworks & Libraries: Django, Django REST Framework Databases: MySQL Backend: REST APIs, Authentication, CRUD Operations Tools: Git, GitHub, Postman, Figma Other: Data Handling, Query Optimization, Debugging, UI/UX Design

Projects

- **Agentic AI Text-to-MySQL**
  - Built an AI-powered agent that converts natural language questions into MySQL queries using LLMs.
  - Integrated vector database to understand table schemas, columns, and relationships.
  - Enabled non-technical users to query databases via a chat-style interface.
  - Improved data accessibility and reduced dependency on manual SQL writing.

Achievements & Awards

- Coursera course on "Programming for Everybody (Getting Started with Python)" by University of Michigan.