Gyan Prakash Barik

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B.Tech - Computer Science
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EDUCATION

- **Vellore Institute of Technology, Bhopal** — *2025*
  Bachelor of Technology in Computer Science ; GPA: 8.19 — Bhopal, India
- **Kendriya Vidyalya Sec 12 Dwarka** — *2021*
  Central Board of Secondary Education (Class XII); Percentage: 85.5 — New Delhi, Delhi
- **Kendriya Vidyalya Sec 12 Dwarka** — *2019*
  Central Board of Secondary Education (Class X); Percentage: 91 — New Delhi, Delhi

PROJECTS

- **AI-Powered Bilingual RAG Assistant | Azure & Microsoft Copilot Studio** ⤴
  – Designed and deployed a Retrieval-Augmented Generation (RAG) assistant in Microsoft Copilot Studio with Azure OpenAI (GPT-4) and Azure AI Search, enabling multilingual (EN/ES) regulatory and business data queries.
  – Built data ingestion pipelines in Azure Blob Storage and AI Search Skillsets, enriching EUR-Lex legal documents with CELEX IDs, titles, and metadata.
  – Automated data ingestion pipelines in Azure Blob Storage with AI Search skillsets, enriching documents with CELEX IDs, titles, and metadata for dynamic attribution.
  – Developed a modular 3-flow architecture for multilingual queries (English & Spanish) with supporting structured outputs, error handling, and extensibility for future channels (WhatsApp).

- **Power BI Marketing Performance Dashboard | Google Ads + Client Data** ⤴
  – Designed and deployed a Power BI dashboard integrating Google Ads API data with client-provided Excel sheets, enabling a single view of marketing performance.
  – Built data models and DAX measures to calculate Cost, Revenue, ROAS, CTR, CPC, CPA, AOV, with automated red/green conditional formatting for instant performance tracking.
  – Delivered actionable insights that allowed stakeholders to track spend efficiency, optimize ad campaigns, and monitor ROI in real time.

- **Suvidha : Vocal For Local** ⤴
  – Developed a revolutionary job listing platform targeted to rural servicemen, publishing job listings in native Hindi dialects. Enhanced accessibility and user engagement through integrated review and SMS notification systems,leading to an increase in job placement rates.

- **Scrapit : Twitter Hate Speech Detection** ⤴
  – Launched an interactive application utilizing NLP algorithms on the backend; findings identified top keywords associated with offensive language across thousands of analyzed tweets aiding future improvements.
  – Utilized Python, NLP techniques, and Logistic Regression for accurate predictions, Implemented Count Vectorization for text preprocessing and feature extraction.

SKILLS

- **Programming Languages:** C++, Python, SQL
- **DB, Library & Frameworks:** MySQL
- **Subjects:** Data Structures & Algorithm, DataBase Management System(DBMS), Computer Networks, Object Oriented Programming(OOPs)
- **Tools:** Github, VS Code, Azure OpenAI, Copilot Studio

POSITIONS OF RESPONSIBILITY

- **Team Lead** , NCSC
  – Team Lead represented at National Science Congress

ADDITIONAL INFROMATION

- **Hobbies**,
  – Engaged in thorough research various topics online and offline, leading to the development of comprehensive reports that enhanced team knowledge by addressing critical gaps in available resources
  – Cricket, Badminton, Gaming and Fitness
- **Languages**,
  – -Hindi, English, Odiya