YASHASVI PANDEY

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PROFESSIONAL SUMMARY

Technically skilled BCA student with experience in machine learning, software development, and database systems. Proficient in Python, C/C++, JavaScript, SQL, and full-stack workflows. Strong problem-solver with practical project experience and a proven ability to learn quickly, collaborate effectively, and deliver high-quality results.

EDUCATION

CHRIST (Deemed to be University), Delhi NCR　　　　　　　　　　　　　　*July 2024 – July 2028*
Bachelor of Computer Applications Honours (BCA)　　　　　　　　　　　　　　*(Expected)*
Running GPA: 3.89/4

DAV Public School, BSEB Colony, Patna (CBSE)　　　　　　　　　　　　　　*July 2022*
XII — 80%

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Java, Python, PHP, Kotlin
- **Data Science & Machine Learning:** Pandas, NumPy, Scikit-learn, Regression, Classification, Decision Trees, Random Forests, EDA, Feature Engineering, NLP, BERT, LLMs, Prompt Engineering, Deep Learning (TensorFlow/PyTorch – Beginner)
- **Data Visualization:** Tableau, Matplotlib, Seaborn
- **Web Development:** HTML, CSS, Bootstrap, JavaScript, React JS, Responsive Web Design, REST APIs
- **Mobile App Development:** Android Studio, Kotlin, Firebase, API Integration
- **Databases:** MySQL, SQL, ChromaDB, Firebase Realtime/Firestore
- **Tools & Platforms:** Git, GitHub, VS Code, XAMPP, Postman, Google Cloud, FastAPI, Linux (Basics)

EXPERIENCE

Artificial Intelligence Intern　　　　　　　　　　　　　　　　　　　　*Aug 2025 – Nov 2025*
Infosys

- Developed **QueryTube AI**, a semantic YouTube search engine using transformer-based embeddings and ChromaDB vector storage.
- Improved semantic retrieval accuracy by **32%** using **MiniLM-L6-v2** and cosine similarity.

Technical Intern　　　　　　　　　　　　　　　　　　　　　　　　*May 2025 – July 2025*
We Avec U Group of Companies

- Customized **OJS (Open Journal Systems)** for academic publishing workflows.
- Increased website engagement by **76%** through SEO and UX improvements.
- Built a university outreach database and enhanced digital presence.

Intern　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Sept 2024 – Oct 2024*
CodSoft

- Developed and optimized websites using custom HTML, CSS, and JavaScript.
- Enhanced performance and implemented new functionality for client projects.

KEY PROJECTS

- **QueryTube AI – Semantic YouTube Search Engine:** Developed an AI-powered search engine using **SentenceTransformer embeddings**, **ChromaDB vector search**, and **FastAPI**. Implemented transcript extraction, similarity ranking, and RAG-style retrieval. GitHub: QueryTube AI ↗
- **GhostWriter AI – LLM Content Generation System:** Built an AI text-generation tool using **LLMs** and **Sentence Transformers**. Designed pipelines for context-aware writing, summarization, and rewriting. GitHub: GhostWriter AI ↗
- **Dozo – Kotlin Mobile App:** Android app built with **Kotlin, Firebase, XML UI**, and API integration. Implemented authentication, data storage, and interactive app features. GitHub: Dozo App ↗
- **ML – Student Performance Prediction:** Built ML models using **Linear Regression, Decision Trees, Random Forest**. Used Python, Pandas, and Scikit-learn for end-to-end analysis. GitHub: ML Project ↗

ACHIEVEMENTS

- **Patent Filed & Published:** Non-Invasive AI-Enabled Breath Analyzer for Diabetic Prognostics and Continuous Monitoring — Published Mar 2025.
- **UN Millennium Fellowship (2025):** Selected under UN Academic Impact and MCN for social impact leadership.

CERTIFICATIONS & COURSES

- Entrepreneurship — IIT Madras (Nov 2025)
- Artificial Intelligence Primer — Infosys Springboard (June 2025)
- Principles of Generative AI — Infosys Springboard (June 2025)
- Deep Learning for Developers — Infosys Springboard (June 2025)
- Introduction to NLP — Infosys Springboard (June 2025)
- Git & GitHub Bootcamp (Mar 2025)
- Data Science with Python (Feb 2025)
- Python (Basic) — HackerRank (Aug 2024)
- Responsive Web Design (June 2024)

LEADERSHIP & ACTIVITIES

- **Event Coordinator — TechGenX 5.0:** Organized **TechOps: BGMI** with 300+ participants and coordinated logistics for 860+ students nationally.
- **Student Council Member:** Represented school in major events and supported operations for 500+ attendees.
- **Class Representative:** Acted as liaison between faculty and 50+ students, ensuring smooth academic communication.

LANGUAGES

- **English** — Professional Proficiency
- **Hindi** — Native Proficiency
- **German** — Elementary Proficiency