TRIDIBESH DEBNATH

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OBJECTIVE

Motivated Computer Science graduate skilled in Python, SQL, AI & Machine Learning, Data Analysis, and API development. Experienced in building web applications, AI solutions, and automation tools. Seeking to begin my career at Cognizant by applying technical and problem-solving skills to drive digital transformation.

SKILLS

Languages & Tools: Python, SQL, Git, GitHub, Java, HTML, CSS, JS (basic)
AI & ML: Machine Learning, NLP, Classification, CNN, RAG, Conversational AI
Libraries: Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib
Frameworks (Basic): Django, FastAPI, Streamlit
Databases: PostgreSQL, MongoDB, Supabase
Core Concepts: OOP, DBMS, REST APIs, MVT Architecture, DSA, SDLC, Agile Methodology
Soft Skills: Problem-Solving, Analytical Thinking, Team Collaboration, Adaptability

EDUCATION

Bachelor of Technology in Computer Science & Engineering- Data Science	**Aug 2021 – Aug 2025**
Brainware University | Barasat, West Bengal	CGPA: 9.5/10
Higher Secondary Examination (WBCHSE)	**Jul 2021**
Nagarukhra High School (H.S.) | Nadia, West Bengal	76%
Secondary Examination (WBBSE)	**Jul 2019**
Nagarukhra High School (H.S.) | Nadia, West Bengal	66%

EXPIRIENCE

Software AI/ML Developer Intern—Netfotech Solutions	**Aug 2025 – Present**

- Developed **AI HR Interviewer,** a Python-based **voice screening bot** using FastAPI, Whisper, MongoDB, and Supabase**.**
- Built a **Conversational AI Assistant** with RAG, NLP, embeddings, Gemini API, STT/TTS, enabling intelligent dialogue flow.

Python Developer Intern—WebGuru Infosystems Pvt. Ltd	**Nov 2024 - Jan 2025**

- Built a **Django-based AI Health Prediction App** with ~99% model accuracy.
- Designed a complete ML pipeline for **data preprocessing, prediction, and automated PDF report generation**. **[Link]**

PROJECTS

- **Employee Retention Predictor** – Predicted attrition using Random Forest (91% accuracy). **[Link]**
- **Spam Email Classifier (NLP + Streamlit) –** Real-time text classification using CountVectorizer & Naive Bayes (99%) **[Link]**
- **Smart Course Finder** – Recommended online courses using NLP and web scraping. **[Link]**
- **OCR Cheque Data Extractor –** Automated cheque data extraction using OpenCV & PyTesseract. **[Link]**
- **Football League Analysis** – Automated La Liga standings using APIs, JSON & Pandas. **[Link]**
- **Influencer Campaign Dashboard** – Built a Streamlit dashboard to track ROAS and payouts. **[Link]**
- **Power BI Dashboards** – Created dashboards for e-commerce & banking data. **[Link]**

ACHIEVEMENTS & ROLES

- **Presented** a CNN-based *Brain Tumor Classifier* at the **ICDDA 2025** conference, Kaziranga University. **[Link]**
- **Co-author:** *"Hepatitis C Prediction using ML"*, published by **IGI Global** (2024). **[Link]**
- **Presented** *Drone Behavior Detection* at the **ICCRET 2023** conference, Brainware University. **[Link]**

CERTIFICATIONS

- **Python for Data Science, AI & Development** — Coursera
- **SQL and Relational Databases** — IBM, Cognitive Class
- **Agile Methodology** — Cognizant, Forage
- **Data Science & Analytics** — HP LIFE
- **Data Analytics Using Power BI** — Infosys Springboard