Brejesh.V.D.

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EDUCATION

B.Tech CSE (Cyber Security): Shiv Nadar University, Chennai — 2022 – 2026
- CGPA: 7.7/10

Grade 12: Sri Chaitanya Techno School — 2020 – 2022
- Percentage: 80.0%

Grade 10: St. Johns Public School, Chennai — 2015 – 2020
- Percentage: 88.0%

EXPERIENCE

Graduate Trainee, Vcodez — *May 2025 – Present*

- **Resume Classification System (In Progress):**
  - Currently building an LLM-powered resume classification tool using **GPT-4** and **Streamlit**, enabling real-time, intelligent job role prediction from uploaded resumes.
  - Developed a scalable backend pipeline leveraging **PyMuPDF** for PDF parsing and fine-tuned prompt engineering techniques to enhance classification accuracy.
  - Designed an interactive, user-friendly web interface to streamline recruiter workflows and significantly reduce manual screening time.
- **Startup Profit Predictor:**
  - Developed a **Streamlit dashboard** to predict startup profits using **linear regression**, achieving a **94% R^2 score**.
  - Integrated **interactive visualizations** with Plotly and optimized model deployment using **Joblib serialization**.
  - Enabled real-time insights from CSV data on **R&D, Marketing, and Admin Spend** to support **data-driven decisions**.

PROJECTS

RetailGPT | Retail GPT
- **Automated sales insight engine**: Generated crisp summaries and CPI-driven business explanations for store-level queries, cutting analysis time by 60%.
- **Multi-modal intelligence**: Integrated SHAP visualizations, macroeconomic trends, and LLM-powered chat for real-time retail diagnostics.
- **Interactive dashboard**: Enabled AI-driven data querying and exportable reports via a Streamlit interface, enhancing decision-maker productivity.

Medical ChatBot | CareBot
- **Built an End-to-End Chatbot using LLMs**: Developed a medical assistant using LangChain and GroQ LLM to answer user queries based on uploaded medical PDFs.
- **Implemented Semantic Search with Pinecone**: Used HuggingFace sentence-transformer embeddings and Pinecone vector DB to enable context-aware information retrieval.
- **Modularized and Automated Backend Setup**: Structured the project with clean, reusable modules and automated setup using Python scripts for efficient development and deployment.

Hand Gesture Control | MediaControlX
- **Developed a Python project enabling touchless keyboard control via webcam-captured hand gestures**, improving user interaction efficiency by an estimated **25%** for repetitive tasks.
- **Utilized MediaPipe for accurate gesture recognition and PyAutoGUI for real-time input simulation**, achieving a gesture recognition accuracy of over **95%** and a command response time of less than **100ms**.

TECHNICAL SKILLS

Languages: Java, Python, SQL.
Frameworks/Libraries: Flask, Pytest, TensorFlow, PyTorch, scikit-learn, Pandas, NumPy, OpenCV, Dash, Seaborn, Mathplotlib , Joblib.
Machine Learning: Classification & Regression Models, Deep Learning, Support Vector Machine, Random Forest, XGBoost.
DataBases: MySQL, MongoDB, PostgreSQL, Pinecone(vector DB).
Soft Skills: Leadership, Communication, Collaboration, Problem-solving, Adaptability, Project Management.

CERTIFICATIONS

- **Python for Data Science** — IBM — *Jun 2025*
- **Academy Accreditation – Generative AI Fundamentals** — *2025*
- **Software Design: From Requirements to Release** — LinkedIn Learning — *2025*