Dharmbir Singh

+91 7376557333 | dharmbirsingh2022@vitbhopal.ac.in | LinkedIn | GitHub | LeetCode

Education

Vellore Institute of Technology, Bhopal — Aug 2022 – Aug 2026
B.Tech in CSE(Artificial Intelligence and Machine Learning) CGPA: 8.59

Technical Skills

- **Languages:** Python, Java
- **Databases & Tools:** SQL, Excel, Git, Power BI, Tableau
- **Frameworks & Libraries:** TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

Experience

Software Development Intern, Bluestock Fintech, Pune — May 2025 - Jun 2025

- Developed a full-stack web application using React.js, Node.js, and RESTful APIs with end-to-end testing, achieving 100% deployment readiness and production ready code within two months timeline.
- Collaborated with 5+ cross-functional team members on enterprise-level projects, achieving seamless integration targets for company's live fintech platform.

Business Analytics Intern — Apr 2024 – Jun 2024

- Implemented machine learning algorithms including Random Forest and XGBoost for predictive modeling for motor vehicle accidents with 85%+ accuracy using Qlik's cloud platform and ML models.
- Reduced computational overhead by 30% and deployed 15+ interactive visualizations for real-time accident hotspot analysis.
- Enhanced stakeholder decision-making by 40% through machine learning model deployment and automated business intelligence dashboards, enabling data-driven policy recommendations.

Projects

Integrating Machine Learning for Multiple Disease Prediction — Aug 2023 – Nov 2023
Python, Machine Learning (SVC, Logistic Regression), React, Node.js

- Built end-to-end machine learning pipeline with feature engineering and hyperparameter tuning, achieving 85% accuracy using Support Vector Classifier and Logistic Regression algorithms.
- Identified 12+ key medical features for model interpretability and deployed React-based interface reducing diagnosis time by 60% for early detection and preventive healthcare.

Shopify Sales Analytics Dashboard Github — Feb. 2024 – Mar. 2024
MySQL & Power BI

- Established a comprehensive sales analytics dashboard using MySQL for data processing and Power BI for visualization, analyzing transaction performance, customer behavior, and retention metrics.
- Interactive visualizations created that include regional maps, trend analysis, and KPI tracking with dynamic measure selectors to support data-driven decision making for stakeholders.

Resume Screening Application Github — Mar 2025 – Apr 2025
Python, OpenCV, TensorFlow, OpenPose

- Designed interactive dashboard visualizing statistical analysis of 1000+ resumes, enabling recruiters to identify top candidates and emerging skill trends in the candidate pool.
- Architected a machine learning-driven resume screening tool, achieving 85% accuracy in classifying resumes into job categories and reducing manual screening time by 60%, allowing recruiters to focus on top candidates.

Certifications & Extracurricular

- Applied Machine Learning in Python- Data Science Certification — Dec 2023
- Business Analytics and Data Visualization - Qlik Certified — Jul 2024
- Computer Vision and Deep Learning - AI/ML Certification — Dec 2024
- Deloitte - Data Analytics Job Simulation — Aug 2025
- Led 90+ members as President, orchestrating weekly meetings and fostering collaborative environment that enhanced club participation by 50%+ — Aug 2024 – Aug 2025

Achievements

- Completed 100 Days of DSA Challenge
- Solved 200+ DSA problems
- Advanced to top 50 out of 300+ teams in Health Hackathon Johns Hopkins University (USA).