Dharmbir Singh

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Technical Skills

- **Languages:** Python, Java
- **Databases & Tools:** SQL, Excel, Git, Linux
- **Frameworks & Libraries:** TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
- **Cloud & DevOps:** AWS, REST APIs

Education

Vellore Institute of Technology, Bhopal — Aug 2022 – Aug 2026
B.Tech in Computer Science and Engineering (E-Commerce Technology) CGPA: 8.51

Kendriya Vidyalaya Armapur Kanpur (U.P.) — Apr 2021 – Mar 2022
Senior Secondary (Grade XII), CBSE, Percentage: 79.6%

Kendriya Vidyalaya Armapur Kanpur (U.P.) — Apr 2018 – May 2019
High School (Grade X), CBSE, Percentage: 77.2%

Experience

Software Development Intern, Bluestock Fintech, Pune — May 2025 - Jun 2025
- Developed 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 2-month timeline.
- Collaborated with 5+ cross-functional team members on enterprise-level projects, achieving seamless integration targets for company's live fintech platform serving 1000+ active users.

Business Analytics Intern — Apr 2024 – Jun 2024
- Implemented machine learning algorithms including Random Forest and XGBoost for predictive modeling for motor vehicle accidents with 90%+ 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.

Human Pose Estimation Github — Feb. 2024 – Mar. 2024
Python, OpenCV, TensorFlow, Computer Vision, Pandas, Matplotlib, Seaborn
- Established a real-time human pose estimation system with 90% accuracy using pre-trained COCO and MPII models, improving processing time by 15%.

Resume Screening Application Github — Mar 2025 – Apr 2025
Python, OpenCV, TensorFlow, OpenPose
- Implemented interactive data visualization dashboard with statistical analysis and feature selection, providing automated insights on resume categorization patterns and recruitment trends
- Architected a machine learning-driven resume screening tool, achieving 95% 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
- 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 on LeetCode
- Advanced to top 50 out of 300+ teams in Health Hackathon Johns Hopkins University (USA).