NIKITA DALVI

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Summary

MCA graduate with hands-on experience in Python, Machine Learning, and Data Analytics, specializing in building end-to-end ML pipelines, computer vision applications, and interactive dashboards. Proven ability to preprocess large datasets, train and evaluate models, and deliver actionable insights using TensorFlow, Pandas, and data visualization tools. Strong foundation in debugging, performance optimization, and modular system design across analytics and AI-driven projects.

Skills

Programming Languages : Python,Java, SQL, JavaScript
ML & AI : TensorFlow, PyTorch, Scikit-learn, Model Training & Evaluation, Feature Engineering, Computer Vision
Data Analytics : Pandas, NumPy, Matplotlib, Seaborn
Web & APIs : Flask, HTML, CSS, Bootstrap, REST APIs
Generative AI (Hands-on / Academic) : Prompt Engineering
Tools : Git, VS Code, Jupyter Notebook

Experience

Data Science Intern - XCEL Corp, Belagavi   **Dec 2024 – Jan 2025**
Tools Used: Excel, SQL, Jupyter Notebook
- Built end-to-end ML pipelines for disease prediction using 20,000+ records, from preprocessing to model validation.
- Developed modular Python components for feature engineering, training, testing, and evaluation.
- Improved model reliability through debugging, root-cause analysis, and performance tuning.

Web Development Intern — Infynow Software Solutions LLP   **Aug 2023 - Sept 2023**
Tools Used: Python, SQL, VS Code
- Developed responsive web applications using HTML, CSS, JavaScript, and Python.
- Implemented frontend–backend integration and optimized performance, reducing load time by 35%.

Projects

ImmuneAI — Autoimmune Disease Prediction System | *Machine Learning*   **May 2025 – Dec 2025**
- Built a Python- and Flask-based AI application with structured pipelines for data ingestion, preprocessing, and prediction.
- Developed RESTful APIs using Flask to handle model inference, data validation, and response delivery.
- Implemented testing, validation, and result monitoring to ensure reliable and production-ready behavior.

Biodiversity Analysis Using TensorFlow | *Data Analytics using Python*   **Jan 2025 – Apr 2025**
- Built a TensorFlow (SSD MobileNet V2) system to analyze urban vs. forest land cover from images.
- Created a Streamlit dashboard with real-time analysis, visualizations, and ratio-based insights.
- Improved detection accuracy via iterative testing and threshold optimization.

Awards & Certifications

- **Top 10 Finalist:** Smart India Hackathon (SIH) 2024
- **Data Science Internship:** XCEL Corp
- **Web Development Internship:** InfyNow Software Solution LLP

Education

Master of Computer Applications (MCA)   **Graduated: 2025**
Visvesvaraya Technological University, Belagavi, Karnataka   *CGPA: 8.3 / 10*

Bachelor of Computer Applications (BCA)   **Graduated: 2023**
Govindram Seksaria Science College(GSS), Belagavi, Karnataka   *CGPA: 7.7 / 10*