Advait Mehendale

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Professional Summary

Computer Science and Data Science undergraduate with a strong foundation in Python-based Data Structures and Algorithms. Experienced in building full-stack web applications and machine learning pipelines. Focused on developing scalable solutions through structured database management and modern web frameworks.

Education

Manipal Institute of Technology Bengaluru, KA
B.Tech in Computer Science and Data Science *2023 – 2027*
- Relevant Coursework: Database Management (SQL), Object-Oriented Programming, Discrete Mathematics, Computer System Architecture, Probability & Statistics.

Publications

Few-Shot Learning in Vision–Language Models: A Survey | *Springer* Jan. 2026
- Co-authored research published in *Computer Vision and Robotics (CVR 2025)*, Volume 5.
- Conducted a comprehensive survey on the evolution of Vision-Language models within the *Lecture Notes in Networks and Systems* series.
- **Link:** https://doi.org/10.1007/978-3-032-14044-9-10

Experience

Accenture Pune, MH
ASE Intern *May 2026 – July 2026*
- Analyzed the architectural deployment and administrative workflows of complex enterprise client networks to evaluate large-scale infrastructural operations.
- Evaluated core routing protocols, network troubleshooting frameworks, and system monitoring workflows using CCNA standards.

Omniscient Digital Remote
SEO Marketing Intern *Nov. 2025 – Jan. 2026*
- Executed a Reddit-based marketing strategy to boost brand authority and Generative Engine Optimization (GEO), building custom Python web scrapers and NLP models to automate data collection and tailor messaging for niche subreddits.

MITB Tech Solstice Hackathon March 2026
- Built a self-inflicting chaos detection and healing system that autonomously identifies and remediates injected system failures.

Hackbricks April 2026
- Engineered an automated credit risk classification and monitoring system on Databricks to address covariate shift and mitigate LLM hallucinations in financial decision-making.
- Built an end-to-end MLOps pipeline (MLflow, Delta Lake) detecting data drift via PSI and triggering auto-retraining, with a custom LLM evaluation pipeline grounding loan-rejection explanations in RBI/SEBI regulations under Unity Catalog governance.

Projects

Student Burnout Prediction with Chatbot | *Python, Scikit-Learn, Pandas, Plotly*
- Developed an end-to-end machine learning pipeline using Random Forest classification to engineer an interactive Streamlit dashboard that predicts student burnout levels via a risk assessment interface, feature importance visualizations, and an integrated AI wellness chatbot.

VibeMatch | *Python, PySpark, NLP, Spark MLlib*
- Built a collaborative music recommendation system using a PySpark backend and scikit-learn to pre-compute similarity matrices via TF-IDF and SVD, serving instant or on-the-fly content-based suggestions through a Streamlit frontend.

More projects at advaitmehendale.com

Technical Skills

Languages: Python, SQL, HTML/CSS, C, Java.
Web Dev: Flask, Django, Bootstrap, jQuery, Streamlit.
Data & ML: Scikit-learn, TensorFlow, NLP, Pandas, NumPy, Power BI, Excel.
Cloud & DevOps: AWS, Docker, Kubernetes, CI/CD.
Tools: Git, GitHub, Jupyter, VSCode, Google Antigravity and other AI agents.