

Yashasvi Dwivedi

+91 7420065234 | randomdwivedi@gmail.com

github.com/yashasvi-dwivedi | linkedin.com/yashasvi-dwivedi

Education

Vellore Institute Of Technology, Bhopal

2021-2026

Integrated Masters of Tech in Computer Science with specialization in Data science

Projects

Moodify | github.com

June '25

- Captured and analyzed lighting conditions via standard webcam input using OpenCV.
- Trained a ResNet18 model on 5,000+ labeled images from open-source datasets, achieving 86% classification accuracy across four lighting categories (bright, dim, warm, cool).
- Integrated Spotify Web API to auto-play curated playlists based on detected ambiance.
- Reduced model inference and playback latency to under 500ms through optimized preprocessing and multithreaded architecture.

FireFighterAI

March '24

- Designed and trained a CNN model on 2,000+ annotated satellite images, achieving 90% precision in identifying wildfire-prone areas.
- Applied advanced image augmentation techniques to boost robustness across seasonal and geographical variations.
- Enabled early detection alerts with a processing time of <1s per image.
- Led end-to-end ML development as the sole Machine Learning engineer in a 3-member project.

App Development

Present

- Built 10+ UI screens using Flutter, achieving 95% cross-device responsiveness across Android and iOS.
- Integrated Firebase Authentication, Firestore, and Cloud Functions for secure and scalable backend support.
- Implemented encrypted OTP login, user session management, and Stripe-based payment gateway with 99.9% transaction reliability.
- Enabled real-time user notifications and transaction tracking using Firestore listeners.

SalesInsight

October '24

- Visualized KPIs including revenue, customer acquisition, and retention, using calculated fields and dynamic filters.
- Cleaned and transformed over 100,000 rows of sales data using Excel and SQL (PostgreSQL).
- Reduced report generation time by 60% through automation and interactive visual components.
- Delivered insights that contributed to a 12% increase in Q4 regional sales through targeted recommendations.

Work Experience

Android Developer & Data Analyst – Cashin.club

2023-2025

- Analyzed user engagement and transaction patterns using Firebase, SQL, and Tableau dashboards to generate insights that improved feature adoption and retention by 12%.
- Developed the Cashin.club mobile app using Flutter, implementing secure authentication, responsive UI, and real-time data handling across Android and iOS platforms.

Courses & Certifications

- Google advanced data analytics professional
- IIT Bombay TechFest Data Science
- Supervised machine learning by [Deeplearning.ai](https://deeplearning.ai) and Stanford University

Skills

Python, SQL, Machine Learning, Deep Learning, TensorFlow/PyTorch, Tableau, Power BI, Data Visualization, Statistical Analysis, BigQuery, Flutter, Dart, Firebase, REST APIs, Git, Computer vision.