HELEN ESHETU

SUMMARY

"Machine Learning Engineer with hands-on experience in **computer vision (TensorFlow, OpenCV)** and **predictive modeling**. Developed a **CNN-based Coffee Leaf Disease Detection system** (85% accuracy) to support Ethiopian agriculture. At GETNET, built **data analysis pipelines** that improved business decision-making by 30%. Passionate about deploying scalable AI solutions for emerging markets.

EXPERIENCE

Freelance Developer, 03/2024 - Current
Self-Employed - Addis Ababa, Addis Ababa
Machine Learning & Data Solutions

- Developed **predictive models** (Python/TensorFlow) for client analytics, improving classification accuracy by **22%** through feature engineering.
- Automated data preprocessing pipelines (**Python, R**) for 5+ projects, reducing cleaning time by **40%** via custom validation scripts.
- Built **CNN-based image recognition systems** (TensorFlow/OpenCV) achieving **85%+ accuracy** on agricultural datasets.
- Created **interactive Tableau dashboards** that visualized model results, helping 3 clients identify key business trends.
- Led **code reviews** for 2 cross-functional teams, improving code quality by catching **30+ critical bugs** pre-deployment.

Software Engineering Intern, 01/2024 - 10/2025
GETNET - Addis Ababa, Addis Ababa
Data Science & Business Intelligence

- Collected/cleaned **10K+ records** of customer data, enabling **30% faster** analysis for strategic decisions.
- Developed **behavior prediction models** (Python/scikit-learn) that identified high-value customer segments with **88% precision**.
- Designed **data visualization tools** (Matplotlib, Tableau) adopted company-wide for executive presentations.
- Collaborated with marketing teams to deploy insights, increasing campaign ROI by **15%**.

EDUCATION

Bachelor of Science, **software Engineering**, 06/2025
Bahir Dar University - Bahir Dar, Ethiopia

CONTACT

Address: Addis Ababa AA
Phone: 0964422715
Email: ababahelen9@gmail.com

PROFILES

- https://github.com/eshetuhelen
- https://www.linkedin.com/in/helen-eshetu-31157b307
- https://eshetuhelen.github.io/Web_Portfolio/

SKILLS

Technical Skills

- **Programming:** Python (TensorFlow, Keras, Pandas), JavaScript
- **Machine Learning:** Predictive Modeling, Deep Learning (CNN/RNN), Statistical Analysis
- **Data Science:** Data Analysis, Data Visualization (Tableau, Matplotlib)
- **Web Development:** RESTful APIs, Web Frameworks (Flask/Django if applicable)
- **Dev Practices:** Unit Testing, Agile Methodologies, Git

Soft Skills

- Problem Solving
- Effective Communication
- Time & Project Management