

MEGHA SONAWAT

Raipur, Chhattisgarh | 7828026005 | meghasonawat@gmail.com | LinkedIn | GitHub

SUMMARY

Final-year B.Tech Computer Science and Engineering (Artificial Intelligence & Machine Learning) student skilled in Python, React, and image classification. Seeking ML or software engineering roles to develop AI solutions.

EDUCATION

B.Tech, Computer Science & Engineering (AI & ML)	Oct 2022 – Present
VIT Bhopal University, Bhopal CGPA: 8.42/10	
Class XII, CBSE	2022
Geetanjali Olympiad School, Raipur Percentage: 75%	
Class X, CBSE	2020
St. Patrick's Academy, Raipur Percentage: 82%	

TECHNICAL SKILLS

- **Programming:** Python, C++, Java, SQL, JavaScript
- **Machine Learning:** PyTorch, TensorFlow, scikit-learn, Transformers (HuggingFace), OpenCV
- **Deep Learning:** CNNs, EfficientNet, DeBERTa, Image Classification, Text Classification
- **Web Development:** React.js, HTML, CSS, Node.js
- **Databases:** PostgreSQL, Firebase
- **Tools:** Git, VS Code, Jupyter Notebook

EXPERIENCE

Machine Learning Intern	May 2025 – Present
Rubick AI, Remote	
<ul style="list-style-type: none">• Built image and text classification pipelines using PyTorch, EfficientNet, and HuggingFace Transformers.• Developed realistic product shadow generation using OpenCV (mask extraction, blurring, shading) to enhance image quality.• Trained a DeBERTa-v3 text category model with improved accuracy through optimized tokenization and fine-tuning.• Created garment view classification model (6 classes) with EfficientNet and custom preprocessing.• Processed 5,000+ product images and large text datasets through cleaning, deduplication, and augmentation.	

PROJECTS

Finance Tracker with AI Budgeting Tips

- Built web app using OpenAI API to categorize 1,000+ expenses with budgeting tips.
- Integrated Finance API with React for real-time visualization.
- Tech Stack: React.js, JavaScript, HTML, CSS, Firebase (GitHub)

Secrets – Password Manager

- Designed secure password manager with encryption for 100+ credentials.
- Used JavaScript, CSS, and Firebase for front-end and storage.
- Tech Stack: HTML, CSS, JavaScript, Firebase (GitHub)

Fake News Prediction (NLP – Classification)

- Built ML model to classify news as real or fake using TF-IDF and Logistic Regression.
- Performed text cleaning, stopwords removal, and TF-IDF vectorization.
- Achieved 94% accuracy; evaluated with confusion matrix and F1-score.
- Tech Stack: Python, scikit-learn, pandas, matplotlib (GitHub)

CERTIFICATIONS

Privacy and Security in Online Social Media, NPTEL (Jan–Apr 2025) | Computer Vision, Vityarthi (Dec 2024) | Applied Machine Learning in Python, Coursera (Jul 2024) | Python Programming, LinkedIn Learning (May 2024) | Simulink Onramp, MathWorks (Mar 2024)