

# MEGHA SONAWAT

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## 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.

## TECHNICAL SKILLS

- **Programming:** Python, C++, Java, SQL, JavaScript
- **Web Development:** HTML, CSS, React, Node.js
- **Machine Learning:** PyTorch, TensorFlow, OpenAI API, scikit-learn
- **Databases:** PostgreSQL, Firebase
- **Tools:** Git, VS Code

## EXPERIENCE

### Machine Learning Intern

May 2025 – Present

Rubick AI, Remote

- Developing image classification model using Python, PyTorch, and CNNs for object detection.
- Preprocessing 5,000+ images with OpenCV and pandas to enhance model performance.
- Applying transfer learning with EfficientNet, targeting 10% accuracy gain.

## 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, 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)

## EDUCATION

### B.Tech, Computer Science & Engineering (AI & ML)

Oct 2022 – Present

VIT Bhopal University, Bhopal | CGPA: 8.43/10

### Class XII, CBSE

2022

Geetanjali Olympiad School, Raipur | Percentage: 75%

### Class X, CBSE

2020

St. Patrick's Academy, Raipur | Percentage: 82%

## 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)