KAVANA SHREE K

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SUMMARY

Enthusiastic Computer Science and Design Engineering student with a strong foundation in software development, system design, and problem-solving. Skilled in Python, Java, and full-stack technologies, with hands-on experience developing AI-based and data-driven projects. Adept at applying design thinking, analytical reasoning, and coding principles to create efficient, scalable, and user-centered solutions. Passionate about contributing to technology-driven innovations in software and AI domains.

EDUCATION AND CERTIFICATION

BE in Computer Science and Design Engineering 2022-2026

- **Atria Institute of Technology**, Bengaluru Affiliated to Visvesvaraya Technological University
  CGPA: 7.33

TECHNICAL SKILLS

Programming Languages: Python, Java, C, HTML, CSS
Databases: SQL, MongoDB
Libraries & Frameworks: NumPy, Pandas, Scikit-learn, OpenCV, TensorFlow
Tools & Platforms: GitHub, Jupiter Notebook, Excel, PowerPoint, Word, Linux, MATLAB
Design Tools: Figma, Adobe XD, UI/UX Prototyping

INTERNSHIP

AI Engineer Intern – WIZZY BOX Pvt Ltd
Jan 2026 – Present

- Developed and implemented machine learning models using Python for real-world business use cases.
- Performed data preprocessing, feature engineering, and model evaluation to improve prediction accuracy.
- Built and tested AI-based solutions integrating NLP and automation techniques.
- Collaborated with cross-functional teams to deploy AI models and optimize system performance.

PROJECTS

Automatic Fruits and Vegetable Ripeness Detection 2025- Present

- Developed an **AI-based image classification model** using **CNNs** to detect ripeness stages of fruits and vegetables.
- Preprocessed and augmented **1K+ images**, achieving **~91% accuracy** and reducing manual inspection time by **~60%** through a **real-time prediction interface**.
- **Technologies:** Python, TensorFlow, OpenCV, NumPy, Deep Learning, Image Processing

Password Strength Analyzer 2023-2024

- Built a **machine learning model** using **NLP features** to evaluate password strength (Weak, Medium, Strong).
- Processed **10K+ sample passwords**, automating **entropy and pattern-based feature extraction** for improved prediction accuracy.
- Enhanced an **interactive Streamlit interface** providing **real-time feedback and visual insights** on password strength.
- **Technologies:** Python, NLP, Streamlit, Machine Learning, Data Visualization

Home Price Predictor 2024-2025

- Expanded a **regression-based ML model** to predict house prices using **location, area, and property features**. Conducted **data cleaning, feature engineering, and hyperparameter tuning** to optimize model accuracy.
- **Performed data cleaning, feature engineering, and hyperparameter tuning, improving model accuracy and reliability.**

- **Deployed a Streamlit web app for real-time price prediction and interactive visualization.**
- **Technologies:** Python, Pandas, NumPy, Scikit-learn, Linear Regression, Streamlit

PROFESSIONAL DEVELOPMENT

- **Programming Languages Course**, CMS Computer Training Institute (Offline)
- **Cybersecurity Analyst Virtual Experience**, Tata via Forage
- **AWS Solutions Architect Job Simulation**, Forage
- **GenAI-Powered Data Analytics Virtual Experience**, Accenture Forage