Harshita Singh Raghav

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EDUCATION

Kamla Nehru Institute of Technology, Sultanpur, Uttar Pradesh Aug-2022, Present
Bachelors of Technology in Electronics Engineering *CGPA: 8.48/10.0*

PROJECTS

WALMART AR TRY-ON SYSTEM | *OpenCV, CvZone, CNN, Flask, Encoder-Decoder, Transformers* March 2025
- Built an AR-based virtual try-on platform for clothes, specs, and jewelry in real-time using OpenCV, CvZone, and CNN-based face shape detection for personalized accessory recommendations.
- Integrated an intelligent chatbot with encoder-decoder, attention, and transformers for personalized style suggestions.
- Developed a complete Flask backend with dynamic video streaming, reels integration, and real-time user interaction.

SOULEPHONIC | *Python, Spotify API, RandomForest, Flask, OpenCV* April 2025
- Captures real-time user images using advanced computer vision techniques.
- Detects emotions accurately with a robust Random Forest classifier trained on facial expression data.
- Curates personalized music recommendations aligned with the user's current mood.

NEWS AGGREGATOR | *Flask, BeautifulSoup, SQLite3* Jan 2025
- Built a Flask-based app that scrapes BBC News with BeautifulSoup and stores results in SQLite.
- Enabled keyword-based search and automated daily article updates.

TECHNICAL SKILLS

Technologies: Deep Learning, Machine Learning, AI, Web Scraping(BeautifulSoup)
Frameworks & Libraries: OpenCV, TensorFlow, PyTorch, Keras, Scikit-learn, FastAPI
Languages: SQL, C/C++, Python, JavaScript, HTML, CSS
Concepts : DSA, CN, OOPs, OS, DBMS, Software Engineering
Tools: VS Code, Jupyter Notebook, Google Colab, Spyder, Pycharm, Canva
MLOps & Deployment: Docker, Git & GitHub , MLflow, DVC, CI/CD , Model Serving (Flask, FastAPI), Pipeline Automation (YAML)
Cloud & Databases: AWS (EC2, S3), MySQL, SQLite, MongoDB

EXPERIENCE

Web Developer Intern Oct 2023– Nov 2023
Ineubyte *Remote*
- Built responsive, production-grade UIs with refined user flows and seamless API integration
- Optimized development using modern frameworks, scalable design systems, and e-commerce architecture.
- Enhanced UI/UX quality by applying best practices in accessibility, performance, and component reusability.

ACHIEVEMENTS

- Selected as Semi-Finalist in **Flipkart Grid 7.0** for innovative problem-solving and technical excellence.
- Secured 5th position among 790+ teams in Hackspire Hackathon 2025.
- Solved **900+** DSA problems on GeeksforGeeks and LeetCode, showcasing good problem-solving skills.
- Clinched 1st place in Smart India Hackathon through strategic planning and solution-driven development.

POSITION OF RESPONSIBILITY

- **Mentor at Bellatrix– The Female Warrior in Tech Community**
  Mentored 180+ junior girls in coding and emerging technologies by conducting classes and competitions.

- **TPR in Career Development Cell, KNIT Sultanpur**
  Led and executed placement drives for final-year students with precision and responsibility.