Vishishta Kavadiya

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💼 PROFESSIONAL EXPERIENCE

Software Developer Intern
SRM Technologies
March 2024 – September 2024 | Chennai, India
- Designed and deployed a real-time web application.
- Integrated real-time eye and face movement tracking, improving cheating detection accuracy by 25%.
- Implemented voice and frequency recognition with sub-second latency in real-time applications.

Software Developer Intern
MSPL Baldota Group
June 2024 – July 2024 | Hospet, India
- Engineered Python-based AI solutions with cross-functional teams, improving workflow efficiency by 15%.
- Developed a chatbot that reduced manual queries by 30%, increasing client satisfaction.
- Created a product price prediction model using LSTM with 80% accuracy.

🎓 EDUCATION

BTech - Computer Science and Engineering (Ongoing)
SRM University, Chennai
2022 – 2026
   Specialization in Artificial Intelligence & Machine Learning | CGPA: 9.17

High School (IB Curriculum)
The Doon School
2016 – 2022 | Dehradun

📂 PROJECTS

SAGA – AI-Driven Interview System
Tech: Python, ML, Flask, MongoDB, OpenCV
- Developed a real-time interview analysis tool using facial expression and speech sentiment detection.
- Increased hiring accuracy by 40% through eye-tracking and emotion analysis.
- Integrated HD video capture and optimized real-time camera streaming.

Smart AI Fitness Planner
Tech: Python, Docker, Neural Networks, React
- Built REST APIs for customized workouts using Random Forests.
- Incorporated calorie tracking, meal planning, and user-specific recommendations.
- Deployed full-stack app with secure client-server architecture.

Portfolio Website
Tech: Next.js, Tailwind CSS, React
- Architected and launched a personal portfolio with modern UI to showcase projects and experience.
- Implemented responsive design and SEO optimization, improving page performance and visibility across devices.

Air and Water Quality Prediction
Tech: Scikit-learn, LSTM, Regression
- Forecasted AQI and water potability using ML models and deployed it as a web app.
- Utilized real-world datasets for model training, achieving over 85% accuracy in water quality classification and reliable AQI predictions.

E-commerce Website - Ongoing
Tech: Next.js, Node.js, Tailwind CSS, PostgreSQL
- Building a full-stack e-commerce site with authentication, shopping cart, and secure checkout.
- Engineered scalable backend APIs and crafted a clean, responsive UI/UX.

🖊 SKILLS

Web Development: React.js, Next.js, Node.js, Tailwind CSS, Express

Programming Languages: Python, C++, Java

Databases: PostgreSQL, MySQL, MongoDB

AI/ML: TensorFlow, PyTorch, Keras, Scikit-learn, OpenCV

Cloud & DevOps: AWS, Docker, Ansible, Git, CI/CD Pipelines

Core Concepts: Data Structures, Algorithms, OOP, Operating Systems, Unix/Linux

Tools: Tableau, Advanced Excel

Soft Skills: Leadership, Teamwork, Problem Solving, Communication

Interests: Fitness, Yoga & Meditation, Nutrition

🏅 ACHIEVEMENTS

🏆 **Hackathon Winner**
Won 1st place in an inter-college AI hackathon by building a real-time interview evaluation system (August 2023).

📄 **Research Paper Publication**
Published a research paper on an AI-driven interview system using facial and speech analysis (November 2023)

🎓 **School Prefect – The Doon School**
Led and mentored peers, organizing academic and extracurricular initiatives (May 2021).

🏅 CERTIFICATIONS

AI & Machine Learning: *Stanford University (Coursera)* - 2024

ML Foundations: *AWS Academy* - 2023

MATLAB Onramp: *MathWorks*

Programming in Java: *NPTEL* - 2023

DBMS: *Scaler Academy*

Image Processing Onramp: *MathWorks*

Comp. Org & Arch.: *Udemy*