BHAVYA

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EDUCATION

Graphic Era Deemed To Be University   **2022 – 2026**
*B.Tech - Computer Science Engineering, **CGPA**: 8.9*   *Dehradun, India*

Arya Sr. Sec. School   **2021–2022**
*12, C.B.S.E, **Percentage**: 81%*

Dyal Singh Sr. Sec. School   **2019–2020**
*10, C.B.S.E, **Percentage**: 88%*

EXPERIENCE

LinuxWorld Informatics Pvt Ltd ⎆   **July 2023 - Sep 2023**
<u>*Role - MLOPs Intern*</u>   *Remote*
- Designed and developed Python software integrating computer vision functionalities with OpenCV and Mediapipe,added text-to-speech and speech recognition features.
- Built user-friendly graphical interfaces using Tkinter; explored machine learning concepts.
- **Tools:** Keras, Python, Pandas, Matplotlib.

Graphic era deemed to be university ⎆   **June 2025 - Aug 2025**
<u>*Role - Research Intern*</u>   *Hybrid*
- Implemented a URLs classification model using XGBoost.Applied Ant Lion Optimization for feature selection and optimizing the hyperparameters using Pigeon-Inspired Optimization algorithm and Random Forest
- Achieved an accuracy of 98% using PIO and Random Forest
- **Tech Stack:** Python, Pandas, NumPy, Scikit-learn, XGBoost, Feature Optimization Algorithms.

PROJECTS

Object Detection using Video Surveillance System ⎆ | OpenCV, Tkinter, Pyttsx3, Speech Recognition
- Designed and implemented a user-friendly interface to enable real-time detection of objects, including hands, faces, and vehicles, utilizing Python and advanced machine learning libraries.
- Integrated a voice assistant feature for seamless user interaction.

Bhopal Metro Interactive Router Finder ⎆ | HTML, CSS, Javascript
- Developed an interactive metro route finder web page using HTML, CSS, and JS enabling users to search stations, visualize routes, and calculate fares dynamically.
- Implemented map-based UI with station markers and modal dialogs for ticket generation and user-friendly navigation.
- Optimized UI with Tailwind CSS, ensuring a responsive and user-friendly design.

Brain Tumor Detection and Classification ⎆ | Deep Learning, Tensorflow, CNN
- Developed a CNN model with 4000 images for detecting and classifying brain tumor types.
- Achieved 94% accuracy using transfer learning, 87% accuracy with Particle Swarm Optimization (PSO), and 95% accuracy through Grey Wolf Optimization (GWO).
- Integrated advanced optimization techniques to fine-tune hyperparameters and enhance model performance

SKILLS

Programming: C, C++, Python, Java, JavaScript
Web: HTML, CSS, Node.js
ML / AI: TensorFlow, Keras, Scikit-learn, OpenCV, NLTK, PSO, DL, CNN, RNN, NLP
Tools / Libraries: NumPy, Pandas, Matplotlib, SQL

SCHOLASTIC ACHIEVEMENTS

Smart India Hackathon: Qualified among 150 top teams.
Amazon ML Summer School 2025: Selected for an intensive program by Amazon.

CERTIFICATIONS

AWS Certified Cloud Practitioner and AWS Cloud Quest – Amazon Web Services (AWS).
Coursera - IBM - Introduction to HTML, CSS and JavaScript.
Virtual Internship at Smartbridge- Completed CRM, Salesforce Admin, and Apex programming modules.