

# Bhavana Koli

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## EDUCATION

<b>Vellore Institute of Technology</b> <i>B. Tech in Computer Science and Engineering -8.91 CGPA</i>	Bhopal, MP <i>Sep 2022 – Jul 2026</i>
<b>Chh. Chatrapati Shivaji Maharaj Night College</b> <i>Class XII - 76%</i>	Solapur, Maharashtra <i>Aug 2021 – Jun 2022</i>
<b>St. Thomas English Medium School</b> <i>Class X – 91%</i>	Solapur, Maharashtra <i>Jun 2019 – Jun 2020</i>

## SKILLS

<b>Technical Skills</b>	Python, Machine Learning, HTML, CSS, Data Science, AWS, UI UX, Frontend Developer
<b>Soft Skills</b>	Fluent in Hindi, English, Marathi, and conversational proficiency in Kannada, Teamwork, Leadership.

## Certificates

- IBM AI Engineering Specialization, Coursera (Dec 2024)
- Adobe UI & UX (Graphics Design), Adobe (Apr 2025)
- Python for Beginners certification, Simplilearn (Dec 2023)
- AWS Cloud Practitioner Certification – AWS (Planned - 2025)

## PROJECTS

<b>RetinoScan</b>   Python, TensorFlow, OpenCV, CNN • Developed a CNN-based machine learning model for automated diagnosis of Diabetes, Hypertension, and Autism using retina image analysis. • Implemented optic disc segmentation and feature extraction to improve disease detection accuracy. • Trained on a labeled retina dataset using TensorFlow, improving classification precision. • Designed a retinopathy detection system with severity assessment and real-time visualization for medical diagnostics.	<i>Jun 2024 – May 2025</i>
<b>MediConnect</b>   HTML, CSS, JavaScript, Node.js, MySQL, PHP • Developed a healthcare platform enabling hospital networking, lab test booking, and medication procurement, reducing response time by 30%. • Integrated an AI-powered chatbot to enhance mental health support, increasing user engagement by 40%. • Built a responsive front-end using HTML, CSS, and JavaScript, improving user experience and accessibility. • Implemented automated scheduling and real-time alerts, reducing booking errors by 25%.	<i>Jan 2024 – May 2024</i>

## Achievements

- **Hackathon Finalist:** Ranked top 50/236 teams in Health Hackathon 2025 by VIT Bhopal & Johns Hopkins University (JHU), USA. (Feb 2025)
- **Hackathon Participation:** Competed in HP Power Lab, Imagine Hackathon, and Flipkart GRiD 6.0 (Software Development Track), gaining real-world industry exposure.
- **Leadership:** Technical Lead of Marathi Regional Club at VIT Bhopal, mentoring 30+ members.
- **Coding Challenges:** Completed 100 Days of Coding & 60 Days of Data Science Challenge (2023-24).

## Coding Platforms:

- **LeetCode:** Solved 266+ problems, improving algorithmic thinking & data structures expertise.
- **Coding Ninjas:** Completed 298+ challenges, enhancing problem-solving skills & competitive programming.
- **GeeksforGeeks:** Solved 140+ problems, focusing on DSA mastery & coding efficiency.

## Extracurricular:

- Gold Medallist in Football & 2× Silver Medallist at Inter-University Tournament, Advitya Techno-Cultural Fest (Feb 2022), showcasing teamwork, leadership, and strategic gameplay.
- Gold Medallist (Dec 2022) & Runner-up (Dec 2023) in Dance Competitions, highlighting discipline, creativity, and competitive excellence.