

# DEVIKA P K

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## SUMMARY

Computer Science student at VIT Bhopal University, passionate about solving real-world problems through technology. Active in Android and Data Science Clubs, I've developed strong teamwork and leadership skills. Eager to contribute technical expertise and creative energy to a dynamic team, delivering impactful solutions.

## TECHNICAL SKILLS

- Programming: Python (NumPy, Pandas), SQL, Java, C++, JavaScript
- Web Development: HTML, CSS, UI Design
- Certification: GEN AI using IBM Watsonx (IBMCE)

## PROJECTS

### MedX: AI-Powered Medical QA Chatbot

- Developed a web-based medical Q&A system using IBM WatsonX's FLAN-T5-XXL model and MedQuAD dataset to deliver accurate AI-generated responses.
- Built an interactive Streamlit interface for seamless user input and real-time display of medical answers.
- Streamlit | IBM Watson Machine Learning | FLAN-T5 | Python | MedQuAD | NLP | GenAI

### Kisan Saathi: AI-powered agricultural decision support system

- Developed Kisan Saathi, an AI-powered agricultural decision support system with Crop Recommendation, Fertilizer Suggestion, and Disease Detection modules, achieving 99% accuracy in crop selection.
- Built CNN-based Disease Detection and Fertilizer Optimization models using Python, TensorFlow and Scikit-Learn, reducing crop losses and improving soil health.
- Designed a user-friendly web-interface, enabling farmers to make data-driven decisions for better yield, efficiency, and sustainability.

## EDUCATION

**B. Tech in Computer Science and Engineering**  
VIT Bhopal University

Oct 2022 – Ongoing | CGPA: 8.57/10

**Class XII**  
Bharatiya Vidya Bhavan School, Chevayur

Jul 2020 | 92.0%

**Class X**  
Bharatiya Vidya Bhavan School, Chevayur

May 2018 | 92.0%

## EXTRACURRICULARS & ACHIEVEMENTS

- **Achievements:** Ex-Member, Android Club Design Team, won poster design competition (twice)
- **Roles:** Member, Data Science Club, English Literary Club, Malayalam Club
- **Languages:** English, Hindi, Malayalam, Japanese