DEVIKA P K

Kozhikode, India | P: +91 7012933736 | 248devika@gmail.com | github.com/devika248 | https://www.linkedin.com/devikapunathil

EDUCATION

VIT BHOPAL UNIVERSITY — Bhopal, India
Bachelor of Engineering — Oct 2022 – Ongoing | CGPA: 8.57/10
Major in Computer Science; Minors in Health Informatics
Relevant Coursework: Statistics, Algorithms; Artificial Intelligence; Machine Learning; Deep Learning

BHARATIYA VIDYA BHAVAN SCHOOL, CHEVAYUR — Kozhikode, India
Class XII — Jul 2020 | 92%

BHARATIYA VIDYA BHAVAN SCHOOL, CHEVAYUR — Kozhikode, India
Class X — May 2018 | 92%

SKILLS

- Programming: Python (NumPy, Pandas, Scikit-Learn, Tensorflow), SQL, Java, C++, JavaScript
- Web Development: HTML, CSS, UI Design, Streamlit
- Languages: Fluent in English, Hindi, Malayalam; Conversational Proficiency in Japanese

PROJECTS

MedX: AI-Powered Medical QA Chatbot — Jan 2025 – May 2025
- 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

Diabetes Prediction using Machine Learning — Jan 2025 – Apr 2025
- Developed a predictive model for early detection of diabetes using the PIMA Indians Diabetes Dataset.
- Applied preprocessing (StandardScaler, SMOTE) and trained multiple classifiers including Decision Tree, Logistic Regression, KNN, SVM, Random Forest, Gradient Boosting, and MLP.
- Implemented hyperparameter tuning (GridSearchCV) and an Ensemble Voting Classifier that achieved **~89% accuracy** and **0.91 ROC-AUC**, outperforming individual models. Python | Scikit-Learn | Ensemble Learning | SMOTE | GridSearchCV

Kisan Saathi: AI-powered agricultural decision support system — Aug 2024 – Apr 2025
- 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. Python | TensorFlow | Scikit-Learn | CNN | Web Interface

CERTIFICATIONS

- GEN AI using IBM Watsonx (IBMCE) — Apr 8, 2025
- HTML, CSS, and JavaScript for Web Developers (Coursera) — Dec 27, 2023

CO-CURRICULAR

Amazon ML Summer of Code Participant — Aug, 2025
- Attended the webinar and assessment conducted by Amazon for ML Summer School recruitment.

Women Code to Win Participant — Jan, 2025
- Participated in the hackathon conducted by GeeksForGeeks for Women Coders.

EXTRACURRICULAR

ENGLISH LITERARY CLUB, VIT BHOPAL — Bhopal, India
Member — Sep 2023 – Present
- Actively participated in creative writing sprees, essays; contributed to the content team.

DATA SCIENCE CLUB — Bhopal, India
Member — Oct 2022 – Present
- Engaged in Data Science Nights workshops and other club events.

ANDROID CLUB — Bhopal, India
Ex-Member of Main Design Team — Oct 2022 – Sep 2023
- Responsible for UI/UX design, poster making, content organization, event planning along with club schedule planning in collaboration with top club stakeholders.
- Won UI/UX and poster design competition conducted by the club twice the same year.
- Attended android development workshops and other recreational club activities.