

Akash V V

+91 9383493163 | akashvadakkeveetil@gmail.com
linkedin.com/in/akash-vadakkeveetil | github.com/Akash-vadakkeveetil

SUMMARY

Passionate about solving real-world problems through backend development and applied machine learning. Skilled in Java, Spring Boot, and Python, with experience in building scalable backend systems and developing ML models for intelligent decision-making. Proficient in data preprocessing, model training, and real-time API integration. Committed to continuous learning, research, and collaboration to create efficient, technology-driven solutions.

TECHNICAL SKILLS

Programming Languages: Python, Java, SQL, C

Frameworks and Tools: Git, NumPy, Pandas, Scikit-learn, Spring Boot, Docker

Coding Practices: Agile, Scrum, SDLC

PROJECTS

Mediport

Backend Project

Oct 2024 - Dec 2024

Java, Spring Boot, Thymeleaf, MySQL

- Java-based backend system for managing medical inventory and automating hospital-supplier coordination.
- Enables real-time tracking of medicine stock levels and automates restocking requests between hospitals and suppliers.

HeiseiChain

Backend-Blockchain Project

Jan 2025 - Jul 2025

Java, Spring Boot, Thymeleaf

- Built a blockchain from scratch as part of the Heisei project, ensuring secure transaction verification and data integrity.
- Introduced a method to integrate transactional security with blockchain, ensuring immutability and preventing tampering in the inventory system.

Landslide prediction and alert System

Machine Learning Project

Jul 2025 - Sep 2025

NumPy, scikit-learn, Python, Pandas

- Developed a Machine Learning-based predictive model for early forecasting of floods and landslides, integrating historical disaster records and real-time meteorological data (rainfall, temperature, humidity)
- Implemented data cleaning and feature engineering techniques, including using the SMOTE oversampling method to balance imbalanced datasets and ensure fair predictions.
- Achieved a prediction accuracy of over 87% in identifying high-risk areas during real-time testing and validation.

EDUCATION

APJ Abdul Kalam Technological University

B.Tech in Computer Science, CGPA: 8.48

Kerala

Jun 2021 – May 2025

KKV Memorial Higher Secondary School

11th and 12th, Grade: 99.08%

Kerala

Jun 2019 – Mar 2020

Alley English Medium High School

10th, Grade: 95.00%

Kerala

Jun 2018 – Mar 2019

CERTIFICATIONS & COURSES

Data Preparation for Machine Learning in Python - Completed online course.

COMMUNITY & PARTICIPATION

Google Developer Student Clubs - Tech Lead.

Hackfest24 - Regional-level hackathon winners (top 100/2500 teams) conducted by SAP, proposing a crowdsourced management solution.