

SATVIK DB

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PROFESSIONAL SUMMARY

Software engineering student with strong foundations in Java and Flutter, and a good working knowledge of full-stack web development. Experienced in building real-world academic and user-centric applications. Interested in backend systems, problem-solving, scalable software design, and fundamentals of Cryptography and Network Security.

Education

Bachelor of Engineering - Information Science And Engineering

CGPA : 7.5

Vidyavardhaka College of Engineering

2023 - Present

SKILL

Programming Languages : C/C++, Java, Python, Dart, JavaScript ,

Frameworks & Technologies : Flutter, Node.js, Express

Databases : MongoDB, MySQL

Tools & Platforms : Git, GitHub, Firebase, Android Studio, Linux

Core Concepts : OOP, DBMS, Operating Systems, Computer Networks

PROJECTS

KrishiRaksha – Digital Plant Healthcare

Developed a Flutter-based plant healthcare mobile application to assist farmers with crop health identification and agricultural guidance. Integrated Firebase for authentication, real-time database, and cloud storage. Applied Machine Learning using TensorFlow and TensorFlow Lite for image-based plant disease identification. Focused on modular UI design, scalable architecture, and reliable performance in low-bandwidth rural environments.

Boli-Sanket - Speech-to-Sign Language Translator

Designed and developed an Android speech-to-sign language translation application that converts spoken input into text and maps it to corresponding animated sign language clips. Integrated speech recognition and natural language processing for accurate transcription and text preprocessing. Implemented real-time mapping and display of animated sign language clips with a focus on accessibility and responsive user experience.

CERTIFICATIONS

AWS Academy Graduate - Generative AI Foundations

Google Cloud Career Launchpad - Cloud Engineer track

VOLUNTEER EXPERIENCE

INFOTHON 4.0

Assisted in planning and executing a departmental hackathon, coordinating with participants and organizers.