

Akshay N Dolainkar

Puttur, Karnataka | +919945019551 | aksp.2004rm@gmail.com | [linkedin.com/in/akshay-n-dolainkar-83146a256](https://www.linkedin.com/in/akshay-n-dolainkar-83146a256)



PROFILE SUMMARY

Final-year Computer Science and Engineering student graduating in 2026. Proficient in Python and Linux with strong experience in Software development, frontend projects, and backend connection. Proven ability to collaborate in team environments through participation in national hackathons and open-source contributions. Skilled in solving data structure and algorithm problems with a solid understanding of system design basics.

PROFESSIONAL EXPERIENCE

Project

Level Up Life - Flutter Mobile App (On going):

ongoing Project

- Developed a gamified habit tracker for mental and physical wellness.
- Managed entire app development lifecycle and contributed to open-source community.

AI Sign Language Detection System:

Oct 2024 – Nov 2024

- Built a real-time gesture-to-speech converter using TensorFlow, Flask-SocketIO, and React as a team.
- Integrated the Python-based AI backend with the frontend, connecting real-time model outputs to a responsive UI using Flask-SocketIO.
- Ranked Top 9 out of 118 teams for this project in national level hackathon.

Habitat Knee Posture Monitoring System:

Jan 2025 – Feb 2023

- Developed a health-tech web application as a team to monitor post-surgery knee posture recovery, designing the frontend and integrating it with a Python backend for seamless real-time monitoring.
- Built to address a real-world clinical need at Yenepoya Hospital, Mangalore, enhancing recovery tracking for post-operative knee patients.

Accomplishments

SIT CODEMEET Hackathon

Oct 2024

Mangalore, Karnataka

- Top 9 at SUIET CODEMEET Hackathon , Created an AI-powered sign language detection system with TensorFlow and Flask-SocketIO.
- Connected the Python backend to a React frontend for seamless, real-time gesture-to-speech translation.

Oct 2024

MumbaiHacks 2024

Mumbai, Maharashtra

- Contributed to the world's largest GenAI hackathon, recognized by Guinness World Records.

EDUCATION

Yenepoya Institute Of Technology

July 2026

Bachelor of Engineering in Computer Science and Engineering - 8.5 cgpa

Moodbidre, Karnataka

S.D.M PU College

Mar 2022

Pre university Physics, Chemistry, Mathematics, Biology – 90.83

Ujire, Karnataka

Alvas Education Foundation

Apr 2020

SSLC – 97.77

Moodbidre, Karnataka

TECHNICAL SKILLS

Programming Languages: Python, JavaScript

Version Control: Git

APIs: REST APIs

Operating Systems: Linux

Frameworks & Libraries: Flask, React, Flutter

AI/ML: TensorFlow, YOLO

Web Development: HTML, CSS

Database: Firestore