

MONU YADUWANSHI

B.Tech. - Computer Science & Engineering
- SISTec GN

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BRIEF SUMMARY

As a passionate and driven software engineering student with hands-on expertise in Android development, backend systems, and modern programming languages like Kotlin, Java, and Python, I aim to contribute to dynamic, innovation-led organizations by developing scalable, user-centric applications. My background in building full-stack systems—from Android apps using Jetpack Compose and Firebase to AI-driven predictive models and cloud-integrated platforms—equips me to handle diverse real-world challenges in software development.

KEY EXPERTISE

Java Python Kotlin HTML CSS JavaScript MySQL Firebase TensorFlow lite Jetpack Compose
Android Development Front-End Web Development

EDUCATION

Sagar Group of Institutions - SISTec

2022 - 2026

B.Tech. - Computer Science & Engineering - SISTec GN | CGPA: 7.62 / 10

Holy Faith Higher Secondary School, Harda

2022

12th | CBSE | Percentage: 81.40 / 100

Holy Faith Higher Seconday School, Harda

2020

10th | CBSE | Percentage: 85.33 / 100

PROJECTS

Direct Market Access for Farmer Android App

Mentor: Prof.Bhavna Soni (SISTec-GN) | Team Size: 4

Key Skills: Kotlin Jetpack Compose Firebase Android Development AgriTech

Project Link: <https://github.com/Monu-Yaduwanshi/Android-Development-Contract-Farming>

Created an Android application that connects farmers and industry for direct market access. The app supports agreement tracking, crop listing, and payment handling. Led the team and handled UI development and real-time database integration using Firebase.

Climate Impact Insurance Predictor

Mentor: Prof.Mayank Kurchaniya (SISTec-GN) | Team Size: 4

Key Skills: TensorFlow Lite Kotlin Jetpack Compose Firebase Climate API Machine Learning Deep Learning

Project Link: https://github.com/Monu-Yaduwanshi/Climate_Impact_Financial_Predictor

Developed an AI-powered mobile application to predict natural disasters and suggest insurance options. Integrated a trained ML model and climate API for real-time predictions. The project used Firebase for backend services and implemented NLP for alert communication.

ACHIEVEMENTS

- Successfully led multiple software projects demonstrating leadership and development skills.
- Secured top performance in NPTEL's "Python for Data Science" course with a score of 71%.

ASSESSMENTS / CERTIFICATIONS

Python for Data Science by NPTEL (IIT Madras)

Aggregate: 71 / 100

Key Skills: Python Data Science Data Visualization Libraries (NumPy, Pandas)

Completed a 4-week NPTEL course focused on Python for Data Science. Achieved a score of 71% with practical applications using libraries such as NumPy and Pandas for real-world data analysis.

Samadhan 1.0 AI Innovation Hackathon

Key Skills: AI ChatBot Python API

This certificate acknowledges my participation in the Two Days National Level AI Innovation Hackathon - Samadhan 1.0, held on 22nd–23rd November 2024. The event was organized by Sagar Institute of Science and Technology (SISTec), Gandhi Nagar, Bhopal.

NIRMAAN 2024 XII Edition - National Level Tech Skill Expo

Key Skills: Tech model Problem solving Kotlin Android Firebase

This certificate recognizes my participation in the National Level Tech Skill Expo - NIRMAAN 2024 XII Edition, held on 13th April 2024 at SISTec Gandhi Nagar Campus. The event was conducted in association with MPcST, IDP Education, KSG & Coding Thinker.

Internal Hackathon for Smart India Hackathon (SIH-2024)

Key Skills: AI Tensor Flow lite AI Model Team collaboration Android Development

This certificate acknowledges my participation in the Internal Hackathon for Smart India Hackathon (SIH-2024) as part of Team CropBazaar, conducted on 6th September 2024 at SISTec-GN.

SEMINARS / TRAININGS / WORKSHOPS

Wipro-Based Java Advanced Training Institute Name: Sagar Institute of Science & Technology, Bhopal (SISTec-GN)

Key Skills: Advanced Java OOPs Exception Handling Collections Framework Hibernate Servlet JDBC

Engaged in an 11-day industry-aligned training designed by Wipro to enhance Java development skills, focusing on real-world application of advanced Java concepts.

Cisco-Based Computer Network Training

Institute Name: Sagar Institute of Science & Technology, Bhopal (SISTec-GN)

Key Skills: Computer Networks TCP/IP OSI Model Network Security Hardware Cisco Packet Tracer

Completed a 6-day Cisco-curated training session on foundational concepts of computer networking, including protocols, network layers, and security basics.

EXTRA CURRICULAR ACTIVITIES

- o Participated in college-level E-sports tournaments.
- o Designed and developed a personal portfolio website to showcase technical projects.
- o Actively participated in Microsoft Learn's Git & GitHub Workshop, a hands-on session on version control and collaborative coding.

WEB LINKS

- o Github - <https://github.com/MonuYaduwanshi/Monu-Yaduwanshi>
- o Other - <https://monuyaduwanshiportfolio.firebaseio.com>