

# Hiya Dullu

[LinkedIn](#) | [GitHub](#)

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## Summary

Computer Science undergraduate passionate about AI, computer vision, and full-stack development. Strong project contributor and team leader with a focus on usability and efficient problem-solving. Active in tech communities and academic research.

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## Education

### Bachelor of Technology in Computer Science and Engineering

Vellore Institute of Technology, Bhopal (2023 – 2027)

CGPA: 8.57

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## Technical Skills

**Languages & Frameworks:** Python, C++, Java, JavaScript, HTML, CSS, Node.js, Flask, EJS

**Tools & Libraries:** OpenCV, TensorFlow, MediaPipe, PostgreSQL, MySQL, pgAdmin4, Git, Overleaf

**Platforms:** VS Code, Google Workspace, Microsoft Office, Ubuntu, Windows

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## Projects

### Aika: Threat Detection through Cognitive Vision

[AIKA Github Repo](#)

- Built real-time hand tracking for suspicious movement detection using MediaPipe
- Implemented facial recognition using a custom local dataset and YOLOv8-based object classification
- Worked across Ubuntu and Windows environments for hardware-software interfacing  
**Tech:** Python, OpenCV, TensorFlow, YOLOv8, MediaPipe, C++


## QuickServe – Digital QR & Ledger System for Businesses

[QuickServe Github Repo](#)

- Built POS backend using Node.js and PostgreSQL; implemented vendor login, menu management, and sales analytics
- Designed responsive customer/admin frontends with real-time updates and smooth navigation  
**Tech:** HTML, CSS, JavaScript, Node.js, PostgreSQL, EJS

## Prognosis of Cardiovascular Disease (ML Project)

- Predictive ensemble model using Random Forest, SVM, XGBoost, AdaBoost
- Achieved 98.97% accuracy with SMOTE for class balancing and hyperparameter tuning

Draft Paper (  prognosis of cvd.pdf )

**Tech:** Python, scikit-learn, pandas, matplotlib

## NUZE – News Bias Analyzer & Reader (PROTOTYPE)

[Github Repo](#)

- Built a bias analyzer pipeline to detect political and sentiment bias in news content.
- Designed modular architecture to preprocess articles and visualize polarity trends across sources  
**Tech:** Python, Flask, scikit-learn, spaCy, NewApi

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## Research & Publications

Enhancing Threat Detection with Computer Vision and NLP- [SSRN Paper Link](#)

- Integrated computer vision with LLMs like ChatGPT for real-time threat detection

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## Leadership & Involvement

**Android Club (Content Co-Lead)** – Led content strategy and created workshop materials

**Software Development Club (Event Manager)** – Managed logistics, team coordination

**Google Crowdsourcing Hackathon (Ops Manager)** – Ran 3+ sprints, managed event flow for

50+ participants

**Muskurahat Foundation (Volunteer)** – Led outreach during April 2024 crowdfunding; received performance certificate

**Technovation Girls (Adobe Mentorship)** – Built a telehealth mobile app using block coding

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## Certifications

- Python Pro Bootcamp – Udemy (May 2024)
  - MATLAB Certified – MathWorks (Aug 2023)
  - Ethnus - AWS Certified AI Practitioner (May 2025)
  - IBM Gen AI (May 2025)
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## Languages

English (Bilingual) | Hindi (Native) | Kashmiri (Native)

Japanese (Beginner – learning for JLPT N5) | Korean (Elementary)