

Ashish

☎ +91 8368242921 | @ ashish.adgitm@gmail.com | 🐙 github.com/app-src | in [linkedin.com/in/ashishhhh](https://www.linkedin.com/in/ashishhhh)

Education

**GURU GOBIND SINGH
INDRAPRASTHA UNIVERSITY**
BACHELOR'S OF TECHNOLOGY (IT)
📅 2020-24 **CGPA:** 8.83/10

Skills

PROGRAMMING LANGUAGES
C/C++ • SQL • Kotlin • Java • Python

TECHNOLOGIES

IoT • UART • AWS • Arduino • REST APIs
Embedded Software System • Zigbee
CI/CD • Git • LoRa • MQTT • SQLite • Firebase •
OpenCV • CudaIDE • Selenium • Freelance

Achievements

TECHKRITI'25

WON EMBEDDED HACKATHON
AT IIT KANPUR 3 YEARS IN ROW

BIC'23

STOOD AMONGST TOP 5 OUT OF 5000+
TEAMS NATIONALLY, AT IIT PATNA

ELICIT EXPO'23

WON INNOVATION HACKATHON AT MUJ

SIGFEST'23

WON OPEN INNOVATION CHALLENGE
AND 3RD POSITION AT ROBOSOCER

INNOVATES'23

WON IDEATION AND DEVELOPMENT
HACKATHON

GLITCH'22

NATIONAL FINALISTS AMONGST
16,60,000+ PARTICIPANTS

AMAZON ML SUMMER SCHOOL'22

SELECTED IN TOP 1% NATIONALLY

SIH'22

NATIONAL FINALISTS AMONGST
16,60,000+ PARTICIPANTS

ROBO MIRRORMAZE'22

WON ROBOTICS COMPETITION AT
NSUT, DELHI

Leadership Roles

ROBOGYAN

Led the official robotics society of the
college for 2 years, as President and Vice
President. Mentored 70+ teams, organized
10+ events, guided 270+ members

Experience

PROJECT ASSOCIATE

MINISTRY OF SCIENCE AND TECHNOLOGY

- 📅 Jun 2025 - Present 📍 Technology Bhawan, Delhi
- Built ETL pipelines and APIs for 20+ cross-ministerial datasets
 - Worked on data automation, integration tools and DST ChatBot

SOFTWARE ENGINEER

ZAPTICS RESEARCH, INCUBATED AT IIT KANPUR

- 📅 Feb 2024 - June 2025 📍 Noida
- Single-handedly shipped Firmware Flashing tool for STM32 based devices, used for 4000+ on-road vehicles
 - Worked on mobile SDK Rx, Tx data on BLE and WiFi with STM32 based system having peripherals on CAN, I2C, ADC, SPI, GPIOs

RESEARCH INTERN

IIIT DELHI

- 📅 May 2023 - Oct 2023 📍 On-Campus
- Worked on Project ALIVE, an Autonomous Last Mile Vehicles platform supported by the Ministry of Electronics and Information Technology (MEITY), Government of India
 - Automated ROS-based decision system with 40+ nodes to implement failure avoidance and detection system for the vehicle

FIXED TERM TRAINEE

ESCORTS KUBOTA LIMITED

- 📅 Sep 2022 - Feb 2023 📍 Faridabad, Haryana
- Developed a one-stop solution for 100+ farmers to track farms using solar powered multi-model IoT system using LoRa
 - Worked on Android application to monitor farms in real-time and use statistics to implement 20+ automated flows

Competitions and Projects

INSTRUMENTS FOR CRICKET OF BLIND

FREELANCE

- 📅 Nov 2023
- Successfully delivered system of two devices under 72hrs
 - Wearable eye-wear attachment with speaker for announcements and trigger mechanism; Ball with remote trigger of buzzer and motion detection. Integrated through WiFi webserver [Demo](#)

SMART INDIA HACKATHON

GRAND FINALIST

- 📅 Jan 2022 - Aug 2022
- Introduced a scalable solution to track CSR assets of Coal India Limited worth Rs. 553 Cr and monitored their performance
 - After passing all three rounds, was selected for the grand finale out of over 15,00,000+ participants [Document](#)

FLIPKART GRID 3.0

NATIONAL FINALISTS

- 📅 Aug 2021 - Feb 2022
- Ranked among top 10 national finalists out of 9000+ registrations
 - Led software team and built Computer Vision system
 - Implemented image processing using OpenCV on live feed, derived data used to implement custom pathfinding algorithm, PID for differential wheeled bots. Controlled 4 bots simultaneously, effectively [Image Processing Video](#)