



Kotha Dhakshin

Bachelor of Technology
in Artificial Intelligence and Data Engineering
Indian Institute Of Technology, Ropar

+91-8919300582
2024aib1009@iitrpr.ac.in
GitHub | Website
linkedin.com/in/dhakshinkotha

EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	5.85 (Till 2nd Sem)	2024-2028
Senior Secondary	Board of Intermediate Education, Andhra Pradesh	97.2%	2024
Secondary	Board Of Secondary Education, Andhra Pradesh	91.5%	2022

EXPERIENCE

• Indian Institute of Technology, Ropar

Research Trainee, Dr K R Sekhar

Jan 2025 - Present

Dept of Electrical Engineering

- Developed strong hands-on skills in circuits and components including *Arduino UNO*, *SMPS*, and *ACS712* modules. Gained practical experience in circuit building, testing, and troubleshooting. Utilized the TinkerCAD platform for simulation and validation of electronic designs.
- Built a strong understanding of core electronic elements and how they function within circuits.
- Optimized an electronic prototype system, significantly improving its performance and operational efficiency by implementing iterative testing and design refinements, actively contributing to this ongoing project for 8 months.

PROJECTS

• QrGo - Event Ticketing Platform

Typescript, HTML, CSS, Supabase

August 2025 - Present

Website

- Built and deployed a web-based event ticketing and QR check-in system used by the Telugu Cultural Association, IIT Ropar, managing 240+ live registrations and confirmations.
- Designed booking dashboards, integrated Supabase with SQL queries for secure storage, and implemented organizer tools to streamline event management.

• BLE Pay

Typescript, HTML, Java Script

May 2025 - Present

Github

- Developed and thoroughly tested an innovative contactless payment system utilizing Bluetooth Low Energy (BLE) beacons for secure, high throughput transactions in crowded environments such as retail and public transport; validated system reliability and functionality through 50+ successful real-world test cycles.
- Led the design and implementation of secure, proximity based payment application logic and interfaces using TypeScript (TSX/TS), eliminating the need for QR code scanning.

• College Entry System

Java Script, Google Authentication, Google App Script

Jan 2025 - Present

Github

- Created a college entry system using Google Lens to scan and recognize barcodes on student IDs, enabling fast authentication. This Prototype reduces authentication time by 40% for college entry system
- Utilized HTML, Java Script, and JSON to manage student data and integrated Google Sheets for real-time check-in/out and safety monitoring.

• AI Women Safety Tracker

Java Script, HTML, CSS

Jan 2025 - Present

Github

- Designed and prototyped an AI powered travel safety tool for women, offering continuous verbal interactions and periodic check-ins to ensure user safety.
- Developed with HTML, Java Script, and JSON; stored user data, including check in history, in MongoDB.

SKILLS

• Programming Languages: C, Python

• Tools & Platforms: Firebase, Canva, Vertex AI, Google AI Studio, TinkerCAD, Supabase, MongoDB, Windows, Android

• Professional Skills: Adaptability, Effective time management, Communication, Public Speaking

KEY COURSES TAKEN

• Core Subjects: Algorithm & Data Structure, Mathematical Foundation for AI and DE, Foundation for Computer Systems

• Others: Calculus, Linear Algebra, Probability, Differential Equations

POSITIONS OF RESPONSIBILITY

• Redactor, Telugu Cultural Association, IIT Ropar

Jul 2024 - Present

CERTIFICATIONS & TRAININGS

• Prompt Design in AI - Google (2024), Learned to design prompts for large language models and fine tune them in Vertex AI

• Soft Skills - TCS iON Digital(2024), Completed all required assessments, demonstrating progress in core soft skills.

• Data Science and Analytics - HP Life(2024), Completed coursework on the real life applications of data science and analytics.

• Solution Architecture - AWS(2025), Designed scalable, secure cloud solutions by applying AWS architectural best practices.