

KOUSHIK KUDIRILLA

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CAREER OBJECTIVE

Aspiring Computer Science Engineering student with hands-on experience in JSP, MySQL, IoT, and Deep Learning, seeking an entry-level opportunity to apply a pragmatic approach, and assertive problem-solving skills to develop impactful, real-world solutions while contributing effectively to organizational goals.

EDUCATION

Qualification	Branch	Institution	Board/University	Year	CGPA/%
B.Tech	CSE	Dadi Institute of Engineering and Technology (Autonomous), Anakapalli	JNTUGV	2023–2027 (Pursuing)	73.84%
B.Tech Honours	Data Science	Dadi Institute of Engineering and Technology (Autonomous), Anakapalli	JNTUGV	2025–2027 (Pursuing)	CGPA 7.67
Intermediate	MPC	Narayana Junior College, Visakhapatnam	BIEAP	2022	59.1%
SSC	–	Ravindra Bharathi School, Visakhapatnam	AP Board	2020	100%

TECHNICAL SKILLS

Programming: C/C++, Java, Python

AI/ML: YOLO, OpenCV, NumPy

CS Fundamentals: DBMS, CN, OS

AI Tools: ChatGPT, Claude, Grok, NotebookLM

Web Technologies: HTML, CSS, JavaScript, JSP

Database: MySQL

Core: DSA, OOP

Tools: VS Code, NetBeans, Git, GitHub, HeidiSQL

INTERNSHIP

Industrial Software Developer Intern – Bharat Heavy Electricals Limited
Visakhapatnam, Andhra Pradesh

May 2025 – June 2025

- Developed a **Training Management System** and **Vehicle Requisition Module** to automate manual workflows and reduce processing time.
- Gained hands-on experience building enterprise web applications using **JSP** and **MySQL**.

PROJECTS

Pothole Detection Assistant

May 2026 – June 2026

- Built an Deep Learning-Based pothole detection system that analyzes road images and video to flag damage and support real-time maintenance prioritization.
- Implemented using **Python**, **YOLO**, **OpenCV**, and **NumPy**
<https://github.com/koushik-kudirilla/Pothole-Detection-System>

Smart Crowd Monitoring System Using IoT

Feb 2026 – Mar 2026

- Designed an IoT-based system to monitor crowd density and environmental conditions in real time to support public safety.
- Built using **Arduino Uno R4 Wi-Fi**, **IR** and **DHT11** sensors, and **MQTT**
<http://github.com/koushik-kudirilla/Smart-Crowd-Monitor>

Smart Weather Monitoring System

Oct 2025 – Nov 2025

- Developed an offline weather monitoring system delivering real-time temperature, humidity, and rainfall data for rural farmers.
- Built using **Arduino ESP8266**, **Embedded C**, and DHT11/Rain/LDR sensors
<https://github.com/koushik-kudirilla/Smart-Weather-Monitoring-System>

Supermarket Management System

Jan 2024 – Mar 2024

- Developed a **C**-based supermarket management system handling inventory, billing, and customer transactions through a user-friendly GUI
<https://github.com/koushik-kudirilla/SuperExpressMart>

CERTIFICATIONS

NPTEL Elite + Gold – *The Joy of Computing Using Python* (92%)

Jan-Apr 2025

NPTEL Elite + Silver – *Exploratory Data Analysis for Data Science with R* (75%)

Jul-Oct 2025

B1 Level English Certification – *Cambridge*

Jul 2025

Quantum Fundamentals – *Qubi Tech*

Apr 2026

Java (Basic) – *Hacker Rank*

Jan 2025

ACHIEVEMENTS

- Achieved the **NPTEL Elite + Gold** certification in *The Joy of Computing Using Python*, scoring 92% in the July to October 2025 session.
- Achieved the **NPTEL Elite + Silver** certification in *Exploratory Data Analysis for Data Science with R*, scoring 75% in the July to October 2025 session.
- Won **1st Prize** among **120 participants** in the DIET ACM Coding Competition in December 2023.
- Awarded a **Certificate of Merit** in the JNTUGV Coding Competition among **430 participants** in January 2025.
- Secured **2nd Prize** among **150 participants** in the DIET CSI Coding Competition in December 2023.
- Secured **2nd Prize** among **300 participants** in the Vibrant DIET Coding Competition in January 2024.

RESEARCH AND PUBLICATION

- Published an abstract, "*Deepfake Defense Agent*," in an NCTC book chapter publication.
- **Paper id** : NCTCT2K251041

LEADERSHIP

Secretary – DIET ACM Student Chapter (2025–Present)

- Organized and coordinated technical events, workshops, and coding activities.

PROFESSIONAL MEMBERSHIPS

DIET ACM Student Chapter (2025–Present)

- **ID**: 1801071

TECHNICAL PROFILE

- GitHub: github.com/koushik-kudirilla
- HackerRank: hackerrank.com/koushikkudirilla
- LeetCode: leetcode.com/koushik-kudirilla

WORKSHOPS & INDUSTRIAL VISITS

- Industrial Visit to MongoDB, Bengaluru Aug 29, 2026
- Quantum Computing workshop conducted by APSSDC Feb 9, 2026 – Feb 13, 2026
- Participated in a workshop organized by TRAI Feb 28, 2025

STRENGTHS

- Video Editing
- Quick Learning
- Patience
- Leadership Quality

HOBBIES

- Playing Guitar
- Cooking
- Listening Music

VOLUNTEER & COMMUNITY SERVICE

- Blood Donation — NTR Trust Oct 1,2024
- Conducted awareness campaigns on organic farming. May-June 2024

PERSONAL DETAILS

Name : Koushik Kudirilla

Nationality : Indian

D.O.B : 13-05-2005

Marital status : Single

Gender : Male

Languages Known : English, Telugu, Hindi

DECLARATION

I hereby declare that the information provided above is true and correct to the best of my knowledge.

Place: Visakhapatnam

Date: 15-08-2026


[KOUSHIK KUDIRILLA]