

# Adarsh Kumar

+91 9581420398 · adarshkumar20012704@gmail.com · [akn714.github.io](https://github.com/akn714)

## Work Experience

---

### Freelancer

July 2023 - Nov 2023

- Contributed significantly to the success of two high-impact AI projects, implementing **Retrieval-Augmented Generation (RAG)** methods.
- Utilized my skills to integrate OpenAI API to an existing Discord Bot and Telegram Bot.
- Deployed bots on **AWS Lightsail**, ensuring efficient performance.
- Acquired expertise in Vector Databases, specifically with **Pinecone**, to optimize data retrieval.
- Gained proficiency in **Docker**, including containerization and image management, to streamline development and deployment processes.

## Certifications

---

### Certified Event Coordinator: Sonic Technical Club, RECM

- Successfully coordinated and executed an event under Abhivyanjana 2024 Techno-Cultural Fest, leading a team of 2 members.
- Served as an Executive Member and Event Coordinator, overseeing event planning, event hosting, and team management.

## Projects

---

### V-Doc: AI Medication Assistant

July 2023

- An AI-driven virtual doctor using Python and React.js.
- Utilized **Langchain** and **Pinecone** for data-driven assistance, prioritizing safety and efficacy (RAG utilized).
- Github:** <https://github.com/akn714/V-Doc>

### Colx: College OLX Platform

Aug 2023

- Engineered a college-focused online exchange platform.
- leveraging Node.js, Express.js, and React.js frameworks.
- Github:** <https://github.com/akn714/colx>

### Trash N Treasure: Domestic Waste Management Portal

Jan 2024

- Developed a web portal connecting communities and recycling industries, powered by **Node.js** and **MongoDB**.
- Promoted eco-friendly waste management.
- Github:** <https://github.com/akn714/Trash-n-Treasure>

### AI Chatbot Assistant

Jul 2023

- Developed a custom AI chatbot assistant using python, integrated with both Telegram and Discord platforms.
- Leveraged RAG, **OpenAI API**, Langchain, and Pinecone for advanced functionality, enabling enhanced responses.
- Github:** <https://github.com/akn714/custom-chat-bots>

### Student Dashboard

Oct 2023 - Present

- Built a student dashboard with Node.js and MongoDB.
- Maximized educational tools for engaging learning.
- Github:** <https://github.com/adarshkumar714/Student-Dashboard>

## Education

---

**B.Tech in Computer Science and Engineering** 2022 - 2026  
• Rajkiya Engineering College, Mainpuri  
• Current GPA: 7.59

**High School** 2019 - 2021  
• Sarvajanik Vidyalaya  
• Grade: 80%

## Technical Skills

---

**Programming Languages:** Python, Java, Javascript, C, C++, Bash/Shell  
**Libraries and Frameworks:** React.js, Node.js, Express.js, TelegramSDK, DiscordSDK, Mongoose, OpenAI, Socket.IO, Flask.  
**Others:** MongoDB, OOPS, DSA, GIT, Generative AI, Linux, Tmux  
**Experienced in:** Oriented Programming Systems, Data Structures and Algorithms, TryHackMe, Generative AI, Web Development, CLI Development, Open Source Development.