





Akash Kumar

New Delhi, India

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EDUCATION

Indraprastha Institute of Information Technology, Delhi

M.Tech in Computer Science and Engineering (CSE)

July 2023 - Present

CGPA: 7.79/10

Rungta College of Engineering and Technology, Bhilai

B.Tech in Computer Science and Engineering (CSE)

August 2019 - May 2023

CGPA: 9.18/10

Deo Chand College, Hajipur

Senior Secondary (Class XII)

April 2016 - March 2018

Percentage: 63.2%

SNS High School, Sarsai Fatahpur Fulwaria

Secondary (Class X)

April 2015 - March 2016

Percentage: 78.6%

PROJECTS

RecipeDB App

Dec 2023 - Jun 2024 | **Team size: 2**

Complex Systems Lab, IIIT Delhi

- **Tech Stack:** Android, Kotlin, Jetpack Compose, Material3 Design.
- Developed an advanced and visually appealing application with fast and efficient APIs.
- Displayed comprehensive details of food ingredients and menus.
- Utilized Kotlin and Jetpack Compose with Material3 Design for a modern and intuitive user interface.
- Implemented optimized query structures to enhance performance and reliability of food services.

Bilingual News App

Jan 2024 - May 2024 | **Team size: 4**

Android Project

- **Tech Stack:** Android, Kotlin, Jetpack Compose, Material3 Design.
- Developed a bilingual news application that fetches news from various APIs and displays it in two languages based on user location.
- Implemented location-based news fetching and automatic language translation for delivering localized news.
- Added short video summaries for news articles to enhance user engagement and comprehension.
- Included a bookmark feature allowing users to save and revisit favorite news articles.

Health Support System

Jan 2024 - May 2024 | **Team size: 5**

Project 2024

- **Tech Stack:** Machine Learning, NLP, Paddle OCR, Flask, Gemini Pro AI.
- Built an automated health support system for disease prediction using NLP and SVC algorithms.
- Applied Named Entity Recognition (NER) for symptom extraction and accurate disease mapping.
- Used Gemini Pro AI and OCR for medication analysis and personalized healthcare recommendations.
- Collaborated within a team of five to develop and refine the project.

Ecommerce Platform Website

Jan 2023 - May 2023 | **Team size: 4**

Major Project

- **Tech Stack:** Node.js, React.js, HTML, CSS, MongoDB, Razorpay, SendGrid.
- Built a responsive e-commerce platform with Razorpay payments and SendGrid email verification.
- Developed the backend using Node.js, Express.js, and MongoDB for efficient data handling.
- Collaborated in a team of four, focusing on code quality and performance.
- Integrated advanced search functionality using Information Retrieval (IR) techniques.

CERTIFICATIONS

- **NPTEL Discipline Star** in Computer Science and Engineering, awarded by IIT Madras in 2021.
- **NPTEL Certification** in Computer Science and Engineering, awarded by IIT Madras in 2022.

SKILLS AND INTERESTS

Programming Languages: C, C++, JavaScript

Frameworks and Tools: Jetpack Compose, Android Development, Material3 Design, React.js, Node.js

Web Technologies: HTML, CSS, MongoDB, MySQL, API Integration, Web Services

AI/ML Capabilities: LLM, RAG, Generative AI, ML

RELEVANT COURSEWORK

Mobile Computing, Information Retrieval, Data Structures and Algorithms, Object-Oriented Programming, Computer Organization, Computer Networks, Operating Systems, and Database Management Systems.

POSITIONS OF RESPONSIBILITY

Teaching Assistant for Operating Systems (CSE231) and Data Structures and Algorithms (CSE102), 2024.

Awarded **Dean's List** for exceptional performance and contribution as a Teaching Assistant.

Cultural Council Member, organized events at RCET with participation from over 500 students.

INTERESTS AND HOBBIES

- **Cricket**
Passionate about playing cricket, regularly participating in local tournaments, and following international matches.
- **Leadership**
Head of Rungta Cricket Club, managing 80+ members and organizing tournaments and events.