

# Akash Deep

2001akashdeep@gmail.com | 9065508862

## SKILLS

Languages:

• Java • Python • Machine Learning

## TECHNOLOGIES

Frameworks/Libraries:

• HTML • JavaScript • Spring Boot  
• React.js • Django • Flask

Database

• MongoDB • SQL

Tools

• Git • Jupyter • Eclipse  
• VSCode

## ACHIEVEMENTS

- Flipkart Grid 5.0 - Attained a top **2000** national ranking and was among the top **10** in college participants
- Solved over **400+** DSA Questions across Platforms .
- **5 star in Java** and **C++** on Hackerrank
- Global Rank **3883** out of **31946** in LeetCode BiWeekly contest **125**.

## LINKS

Github:// [akashdeep](#)

Linkedin:// [akashdeep](#)

Portfolio:// [akash-portfolio](#)

Leetcode:// [akashdeep](#)

GeeksForGeeks:// [akashdeep](#)

HackerRank:// [akashdeep](#)

## EDUCATION

**Lovely Professional University**

B.TECH in Computer Science and Engineering

2020-2024 | Punjab, India

CGPA: 7.65/10

**St.Joseph's School**

Class 12(ICSE)

2019-2020 | Bhagalpur, India

Percentage: 81 %

**St.Joseph's School**

Class 10(ICSE)

2017-2018 | Bhagalpur, India

Percentage: 81.6 %

## COURSEWORK

Data Structure and Algorithms  
Object Oriented Programming  
Database Management System

## INTERNSHIP

### FUTRAININC - COMPLETE BUSINESS SOLUTIONS | AI DEVELOPER INTERN

July 2024 - Present | Remote

- Streamlined data preprocessing, enhancing input quality for LLM training by **25%**, resulting in improved model performance.
- Supported model fine-tuning and evaluation, contributing to a **15%** boost in LLM accuracy on key tasks.
- Documenting experiments and collaborating with team members on innovative AI solutions.

### CELEBAL TECHNOLOGIES | DATA ENGINEER INTERN

June 2023 - August 2023 | Remote

- Crafted a calculator interface with **Python's Tkinter**, elevating user engagement by **20%** and ensuring good accuracy in arithmetic operations.
- Engineered a bill management system using JavaScript, increasing user sign-ups by **30%** and enhancing satisfaction with secure login and account management.
- Integrated a **MySQL** database for secure storage of user credentials, achieving **Gold Badge** recognition for outstanding internship performance.

## PROJECTS

### ELECTRICITY BILL MANAGEMENT SYSTEM | GITHUB

Java, SQL, Java Swing, Spring Boot

- Developed a Java-powered **Electricity Billing System**, automating processes and boosting operational efficiency by **60%**.
- Implemented real-time consumption tracking, cutting billing errors by **40%** and providing users with accurate cost insights.
- Integrated an **SQL** customer database, enhancing data precision by **45%** and speeding up record retrieval by **35%**.

### DYNAMIC TO DO LIST APPLICATION | LIVE LINK | GITHUB

MongoDB, Express.js, React.js, Node.js

- Architected a dynamic to-do list application using the **MERN stack**, enabling real-time task management and increasing user productivity by **35%**.
- Integrated **MongoDB** for seamless data storage, improving task retrieval speed by **40%** and enhancing overall user experience.
- Optimized backend operations with **Express.js** and **Node.js**, reducing server response time by **25%** and scaling to handle tasks efficiently.

### FOOD RECOMMENDATION SYSTEM USING LLM | GITHUB

Python, LLM

- Leveraged LLMs from **Hugging Face**, fine-tuning the **BART** model to achieve a **92%** accuracy in generating mood-based dish recommendations.
- Integrated Hugging Face's cutting-edge **transformer models**, resulting in a **40%** improvement in personalized dish suggestions based on user moods.
- Deployed a fine-tuned **BART** model, reducing recommendation response time by **30%** and providing real-time, accurate food suggestions.

### RESEARCH PAPER | LINK

I published a research paper titled **EduHub: A Self-Paced Learning Management System**.