AKASH ROUT
CSE UNDERGRAD

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PROFILE

An ambitious undergraduate, always looking forward to learn new technologies and skills. Love working in diverse teams and contributing towards making the world better. Relish new challenges and solving problems.

TECHNICAL SKILLS

- **C++ and Python Programming, Data Structures and Algorithms, Competitive Programming**
- **Web Development:** HTML, CSS, Bootstrap, JavaScript, EJS, Node.js, Express.js, MongoDB, React (Basic)
- **Machine Learning:** Numpy, Pandas, Scikit-learn, Regression, Classification and Clustering Algorithms

SOFT SKILLS

- **Leadership and Teamwork**
- **Public Speaking**
- **Content Writing**
- **Time Management**

EDUCATION

COURSE	INSTITUTE	YEAR	GRADE
Bachelor of Technology	Punjab Engineering College, Chandigarh	2021- 2025	**CGPA: 9.88**
Class XII	CL DAV Public School, Panchkula	2021	**Percentage: 95.6%**
Class X	CL DAV Public School, Panchkula	2019	**Percentage: 98.2%**

PROJECTS

REAL TIME CHAT APPLICATION

React, Node.js, Express.js, MongoDB, Socket.IO
- **Enabled real time** private and group **messaging**, created features to **create groups** and **add/remove members**
- **Built secure sign-up and login** system and **encrypted passwords** using hashing and salting

FILE UPLOAD/DOWNLOAD SYSTEM

Multer, Node.js, Express.js, MongoDB
- Feature to **upload files** to online database, list of uploaded files displayed on the home page with download option
- **Built download function** to save any file on the online database to local device storage

TO-DO LIST

MongoDB, Node.js, Express.js, HTML, CSS
- **Designed functionality to add/delete items** from a dynamic to-do list with **auto-update** in the database
- **Used MongoDB Atlas** for database of items in list and **deployed** the application **on Render**

LIVE WEATHER APPLICATION

Node.js, Express.js, API, HTML, CSS, Bootstrap
- **Developed an application** with **simple user interface** which **shows detailed weather data** of any city in the world
- **Fetched weather data from OpenWeather API** and made the application **mobile device friendly**

POSITIONS

Executive Body, SAASC PEC
- Member of **core executive body of speaker's club** of PEC and **responsible its day to day functioning** and operations
- **Organized events like TRIVIUM and PEC-MUN** and participated in multiple **quizzes, debates, MUNs and news writing**

Implementation Body, ACM-CSS PEC
- Part of **core implementation body of coding society** of PEC and **in charge of planning and organizing events**
- **Conducted sessions** such as Post Contest Discussions and participated in multiple **coding contests and hackathons**

ACHIEVEMENTS & CERTIFICATIONS

EXCELLENCE IN DATA STRUCTURES, CODING NINJAS (detailed course of Data Structures and Algorithms in C++)
2023 COMPLETE WEB DEVELOPMENT BOOTCAMP, UDEMY (learnt JavaScript, Node.js, Express.js, MongoDB, React)
RATED 3-STAR ON CODECHEF (regular participation on global coding contests)
SOLVED 500+ PROBLEMS ON LEETCODE (solved programming problems on a daily basis)
JEE MAIN 2021, 99.73 PERCENTILE (AIR 3078 among more than 1 million candidates across the country over 4 sessions)
JEE ADVANCED 2021, AIR 4218 (among more than 250,000 eligible candidates across entire India)