AKASH ROUT

B.Tech in Computer Science and Engineering

in akashrout–82a38622a

iamakashrout

📞 +91 8376996752 | ✉ iamakashrout@gmail.com | 🌐 https://akashrout.vercel.app

EDUCATION

DEGREE	INSTITUTE	YEAR	GRADE
Bachelor of Technology	Punjab Engineering College, Chandigarh	2021– 2025	CGPA: 9.89
Senior Secondary, CBSE	CL DAV Public School, Panchkula	2021	Percentage: 95.6%
Secondary, CBSE	CL DAV Public School, Panchkula	2019	Percentage: 98.2%

TECHNICAL SKILLS

- **Languages:** C, C++, Python, JavaScript, HTML, CSS, SQL
- **Computer Fundaments:** Data Structures, Algorithms, OOPS, Operating Systems, Database Management, Computer Networks
- **Web Development:** Node.js, Express.js, EJS, MongoDB, React.js, Next.js, Flask, Bootstrap, Tailwind CSS, Redux
- **Tools:** VS Code, Git, GitHub, Jupyter Notebook, Command Line Interface, Postman, Firebase
- **Machine Learning:** Numpy, Pandas, Seaborn, Scikit-learn, Regression, Classification and Clustering Algorithms

PROJECTS

SOCIAL MEDIA APPLICATION ↗

React.js, Node.js, Express.js, MongoDB, Firebase, Redux, Socket.IO

- **Designed APIs** to login/register users, add, like and comment on posts and **encrypted passwords** using hashing and salting.
- **Integrated with fronted** using Fetch API calls and **connected with MongoDB Atlas and Google Firebase** to store site data.
- **Implemented real time private messaging functionality** using Socket.IO library in Node.js and **sorting and filtering of posts**.

ONLINE MEDICAL CONSULTATION ↗

Next.js, React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Google Cloud Console

- **Created sign in using Google** option using **Next Auth library and Google Cloud Console**.
- **Made separate profile pages for patients and doctors** using email parsing in JavaScript.
- **Developed an interface** through which patients can **search for doctors according to their domains and chat with them**.
- **Added simple mechanism to add, view and remove prescriptions** for both patient and doctor profiles.

REAL ESTATE PRICE PREDICTOR ↗

Machine Learning, Jupyter Notebook, Flask, HTML, CSS

- **Built an application to predict houses prices** in Bengaluru according to location, area and number of bedrooms.
- **Trained the model with data of 13,000+ houses** using **multivariate regression** and **accuracy of 84.5%**.
- **Merged with a frontend** using **HTML, CSS and JavaScript** and **enabled the predict price functionality using Flask**.

LIVE WEATHER APPLICATION ↗

Node.js, Express.js, API, HTML, CSS, Bootstrap

- **Developed an application** with **simple user interface** which **shows detailed weather data** of all cities applying **Node.js**.
- **Fetched weather data from OpenWeather API** and **adjusted the frontend to be mobile device friendly using Bootstrap.**

CERTIFICATIONS

EXCELLENCE IN DATA STRUCTURES IN C++, CODING NINJAS ↗

Covered **38 topics**, solved **400+ problems** and completed **5 tests** with an **overall score of 99.8%**.

2023 COMPLETE WEB DEVELOPMENT BOOTCAMP, UDEMY ↗

Fully completed 39 sections on MERN Stack and **built multiple projects** such as **To-Do List, Blog Website and Notes App**.

1000+ PROBLEMS ON LEETCODE ↗

Successfully solved 1000+ problems on LeetCode covering numerous topics and **ranked among top 1% users** on the platform.

POSITIONS OF RESPONSIBILITY

Implementation Body, ACM-CSS PEC

- Part of **core implementation body of the coding society** of PEC and **spearheaded the planning and organization of events**.
- **Successfully conducted programming sessions** and **arranged coding contests and hackathons for 100s of students**.

Executive Body, SAASC PEC

- Member of **core executive body of speaking club** of PEC and **supervised its day to day functioning** and operations.
- **Organized events like TRIVIUM and PEC-MUN** and fruitfully participated in **quizzes, debates, MUNs and news writing events.**

ACHIEVEMENTS

- **Highest overall CGPA of 9.89** in entire CSE 2025 batch and **consistently achieved 1st position in every semester** till date.
- **Won 2nd prize in Techadroit Software Hackathon** conducted by **IEEE, PEC**.
- **Successfully qualified** for **2023 JP Morgan Chase Code For Good** Hackathon final round.
- **Secured 99.73 percentile in JEE Main 2021** and **4218 rank in JEE Advanced 2021** among more than **1 million candidates**.