

YASH KUMAR

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EDUCATION

THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY

Patiala, IN

Bachelor of Technology, Computer Engineering

CGPA: 9.46/10.00

RYAN INTERNATIONAL SCHOOL

Ludhiana, IN

Class XII: 91.6% | Class X: 10 CGPA

SKILLS

C++, C, Python, SQL, Machine Learning, AWS EC2, Flask, Marketing, Event management.

PROFESSIONAL EXPERIENCE

CODING NINJA

Oct 2020 - Feb 2021

Teaching Assistant

- Solved more than **275+** Doubts and debugged **100+** codes in the **Interview Preparation Course (C++)**.
- Mentored these students during the period.

RUTRI INDIA (SUBPART OF KUTUMB INDIA)

Apr 2020 - May 2020

Android Developer

- Worked for **Authentication, Validation**, and Backend services on **Firebase**. Used SQL database (**Java Based App**).
- Impact: Helped **Migrate Labors** for connecting them to various **NGOs for work opportunities in Lockdown**.
- App Link: <https://play.google.com/store/apps/details?id=com.kutumb.migration>

VOLUNTEERING EXPERIENCE

GEEKS FOR GEEKS

Jul 2021 - Current

Technical Content Writer

- Explored fields like **Web servers, Machine learning analysis**, and few **DSA problems** and have **written articles** on them.
- Articles link: [Link](#)

MENTORING 50+ COLLEGE STUDENTS

Sept 2021 - Current

- Conducting sessions on **Resume review**, sharing **DSA and Core subjects' path**, monitoring weekly **LeetCode contest ranks** using scrapper, and **weekly meets** with one guest who have cracked dream company to motivate students.
- Created videos for **OOPS concepts, 7 video lectures** including **Theory** part and **Code** Part together. Playlist: [Link](#)

PROJECTS

FULL-STACK WEB APPLICATION FOR IMAGE POST HANDLING

- A fun website (HTTPS secured) where you can post Memes, it is made using below Tech-Stack
- Tech-Stack: Html, CSS, Python, **Sqlite3, Flask, Bootstrap, JavaScript, RestAPI**.
- Deployment: (Latest) Frontend-Netlify and Backend-Heroku | (Earlier) **Nginx, Unicorn, AWS EC2** (T2-micro, Ubuntu ARM)
- WebLink: <https://xmemeshare.netlify.app/test.html> (frontend) | <https://xmemeshare.herokuapp.com/memes> (Backend)
- GitHub: https://github.com/Tewatia5355/Post_App | (API Documentation) <https://xmemeshare.herokuapp.com/swagger>

APIS FOR (RESUME PLAGIARISM CHECKER WEBSITE)

- An API built for parsing text from resumes and checking all information's consistency with their LinkedIn and Github profile. It is made using the below Tech-Stack.
- GitHub scraper using **GitHub API (Python)**, LinkedIn scraper using **Nodejs Puppeteer**. Hosted on **AWS EC2**.
- Tech-Stack: Python, **TensorFlow, Flask, RestAPI, Texttract**
- WebLink: [AuthenticCV](#), WebLink (API): <https://pdf2txt.herokuapp.com>, GitHub: [API](#), [Website](#)

VIDEO CONVERTER AND COMPRESSION (USING OPENCV)

- A website to convert a video file to monochrome video and compress the file into a variety of resolutions and size
- Impact: **Color conversion** reduces the size of video up to **60%** (exact resolution), **compression ability up to 1%** (reduces the resolution of video)
- Tech-Stack: Python, **OpenCV, Html, Flask**
- GitHub: https://github.com/Tewatia5355/VideoConv_Comp
- WebLink: <https://protected-river-11633.herokuapp.com/>

HUMAN MACHINE DIALOGUE SYSTEM INVOLVING SENTIMENT ANALYSIS (Ongoing/Completion by Dec-2021)

- A conversational AI bot for **Hindi audio speech**, capable of detecting **six primary sentiments**.
- Two Research papers** are in process, will submit soon for publishing
- Impact: assistive technology accessible to **people in small towns** or those who prefer the Hindi language.

POSITIONS OF RESPONSIBILITIES

Finance & Marketing Head – Microsoft Learn Student Chapter, TIET

Tech Member (Executive Committee) – Student Alumni Interaction Cell, TIET

ACHIEVEMENTS

- Secured **1st position** in college during **2nd year**, received **University Gold Medal** and received a **merit scholarship**.
- Secured **1st position** in Inter-Society coding competition in college.