



PIYUSH AWASTHI
Course : **B.E. (Hons.)**, Civil, 2025
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CGPA : 5.77



ACADEMIC DETAILS				
COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	The Pacific International Public School	CBSE	83.2 %	2020
CLASS X	The Pacific International Public School	CBSE	84.8 %	2018
Subjects / Electives	Object Oriented Programming, Cross Cultural Skills, Supply chain management, Cinematic Adaptation, Creative Writing			
Technical Proficiency	System Deployment, Webrtc, SSL, Server Configuration, Redis, Nginx, API, Java, Bash, Data Structures, Object-Oriented Programming, Python, SQL, C Programming, HTML + CSS			

SUMMER INTERNSHIP / WORK EXPERIENCE	
Backend Intern, BISAG-N, under the Ministry of Electronics and Information Technology MeitY	Jun 2024 - Dec 2024
<ul style="list-style-type: none">Deployed and configured BigBlueButton, an open-source video conferencing system, on Linux servers, and integrated it with Moodle LMS using REST APIs and plugins to enhance virtual collaboration.Resolved backend issues, including dependency conflicts, server startup failures, and SSL certificate setup, ensuring system reliability and security.Optimized performance by configuring Nginx, managing Redis, and tuning PostgreSQL for scalability, enabling efficient handling of concurrent users.Tested functionality independently from the end-user perspective and collaborated with cross-functional teams to deliver seamless integrations.	
Web Developer Intern, CSIR-CRRI New Delhi	May 2023 - Jul 2023
<ul style="list-style-type: none">Developed a virtual lab for civil engineering experiments using Java, HTML, and CSS to enable remote learning for students unable to attend physical labs.Simulated key experiments like Softening Point determination with interactive features.Used Java for backend logic and HTML/CSS for a user-friendly interface, enabling students to manipulate variables, view results, and submit reports.Enhanced the learning experience by offering a hands-on approach to complex concepts while ensuring accessibility across devices.	

PROJECTS	
AI-Based Automated Subtitle Generator - AI/ML	Sep 2023 - Oct 2023
<ul style="list-style-type: none">Developed an AI model that extracts audio and visual context from videos to generate accurate SRT subtitles.Implemented Speech-to-Text (ASR) for dialogue transcription and CNN-based scene recognition for contextual captioning.Used Transformer-based NLP models (T5, GPT-2) to generate meaningful, timestamped subtitles, ensuring synchronization with video frames.	

POSITION OF RESPONSIBILITY	
BOSM Coordinator - Comedy Hub BITS Pilani	Aug 2023 - Oct 2023
<ul style="list-style-type: none">Organized and conducted "Back to School" themed games, engaging a crowd of 80-100 people with interactive and enjoyable activities.Led a team of 8-10 members, delegating tasks and ensuring smooth coordination throughout the event.Carefully planned and executed multiple activities, making sure they were well-structured, engaging, and inclusive for all participants.	
Video Coordinator - Mime Club BITS Pilani	Jun 2023 - Nov 2023
<ul style="list-style-type: none">Wrote, directed, and edited three short films that were showcased in the main auditorium, delivering compelling narratives and high-quality production.Led the entire production process for each film, ensuring scripting, shooting, and editing were completed within an intense 10-12 day timeframe.Successfully screened the films to an audience of over 2,000 people during the inaugurations of Apogee 2023, Oasis 2024, and Apogee 2024.	
Production Manager - Hindi Drama Club BITS Pilani	Sep 2022 - Nov 2022
<ul style="list-style-type: none">Managed the production of the play <i>Asurim</i>, overseeing the arrangement of props, stage setup, and logistics to ensure a seamless performance.Led and supervised a team of 5-10 members, delegating responsibilities and ensuring effective collaboration throughout the production process.Successfully guided the team to victory in the stage play competition at Oasis '22, delivering a well-executed and impactful performance	

EXTRA CURRICULAR ACTIVITIES	
Stand up comedy	<ul style="list-style-type: none">Performed stand-up comedy three times in front of 500-1000 audience members, demonstrating humor, creativity, and strong stage presence.
Filmmaking and Video Editing	<ul style="list-style-type: none">Directed and created three short films, garnering 5,000 to 6,000 views on YouTube, demonstrating creativity, storytelling, and production expertise.
Cricket	<ul style="list-style-type: none">Captain of the winning team in the KGPL(Krishna-Gandhi Premiere League) demonstrating teamwork, strategy, and competitive spirit.

LANGUAGES KNOWN
Hindi, English