

# MITALIGUPTA

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## EDUCATION

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### CHANDIGARH UNIVERSITY

#### Bachelor of Engineering

Major in Computer Science and Engineering (AIML Hons.)

**Cumulative CGPA (till 6<sup>th</sup> semester):** 8.08

**Relevant Coursework:** Data Analysis, Software Engineering; Operating Systems; Algorithms; Artificial Intelligence

Punjab, India

Expected July 2024

### MONTFORT SENIOR SECONDARY SCHOOL, ROORKEE

Intermediate

Percentage: 71%

Uttarakhand, India

Jul 2019 - Jul 2020

## TRAINING/EXPERIENCE

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### WIPRO TALENT NEXT 2024

Trainee

Remote, India

June 2023 – January 2024

- Successfully completed the immersive training program at Wipro Talent Next 2024, honing expertise in Java programming and software development; gained hands-on experience in developing innovative and efficient software solutions.
- Engineered and delivered a series of Java applications, enhancing efficiency by 40% and reducing processing time by 25% through automated data validation and analysis.

### PWC ACCELERATION CENTERS

Trainee

Remote, India

March 2023 – June 2023

- Completed a prestigious training program focused on Data Analytics, SQL concepts, Data Engineering, and Programming Fundamentals.
- Implemented a strong foundation in Analytics and Insights, with comprehensive knowledge and hands-on expertise in data analysis techniques, statistical methods, and data visualization tools.

## UNIVERSITY PROJECTS

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### VIDEO TO TEXT SUMMARIZER | Python, Google Colaboratory

March 2022

- Analyzed and deployed an advanced machine learning and NLP-based video-to-text summarizing system, achieving a 40% reduction in manual transcription time and improving content accessibility for hearing-impaired users.
- Conducted comprehensive multi-modal analysis of video content, extracting critical insights from audio and visual components; identified key patterns and trends to optimize user engagement and increase viewer retention by 40%.
- Designed and implemented automated summarization pipelines, leading to a remarkable 35% increase in efficiency and productivity for processing and summarizing diverse video content. This achievement significantly enhanced overall workflow effectiveness.

### VIRTUAL VOICE ASSISTANT | Python, Visual Studio Code

October 2021

- Developed a Virtual Voice Assistant using PyAudio and OpenCV, streamlining routine tasks and boosting productivity.
- Engineered a cutting-edge voice assistant with advanced speech recognition capabilities, leveraging coding proficiency and system maintenance skills; achieved a 40% reduction in speech-to-text error rates, enhancing user experience and productivity.
- Implemented cutting-edge functionality within the Voice Assistant to streamline email communication processes, resulting in a 40% reduction in response time and increasing efficiency by 25%.

## CERTIFICATES

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- Analytics Insights (PWC Accelerations Centers in India)
- AWS Machine Learning (Online)
- Python Basics (Online –HackerRank and Codechef)
- PwC Acceleration Centers for Data Engineers.
- Machine Learning (online-IBM)

## ADDITIONAL

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**Technical Skills:** Python, SQL, R, JavaScript, HTML/CSS, Excel, C

**Languages:** Fluent in English, Hindi

**Developer Tools:** VS Code, Eclipse, Google Cloud Platform, MySQL Workbench, Jupyter, Google Colaboratory