

# Abhishek Joshi

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## Education

### University of Petroleum and Energy Studies (UPES)

BACHELOR'S OF TECHNOLOGY (HONOURS) IN COMPUTER SCIENCE AND ENGINEERING

GPA: 3.35

Dehradun, India

Aug 2021 – Jun 2025

### St. Joseph's Academy (SJA)

HIGHER SECONDARY SCHOOL

GPA: 3.46

Dehradun, India

April 2019 – June 2021

### St. Joseph's Academy (SJA)

HIGH SCHOOL

GPA: 3.28

Dehradun, India

April 2018 – March 2019

## Work Experience

### The High Energy Accelerator Research Organization (KEK)

GRID COMPUTING INTERN

- Collaborating on the Belle II project (successor of the nobel prize winning Belle I) using gbasf, gbasf2, gitlabs in a linux environment

Tsukuba, Ibaraki, Japan (Remote)

January 2024 – Present

## Skills

**Programming Languages:** Java, Python, C/C++, C#, Scala, JavaScript

**Technologies/Frameworks:** Tailwind CSS, ReactJS, PyTorch, .NET, Linux

**Design Suite:** Adobe Photoshop, Figma, Canva

**Version Control:** Git, GitHub, GitLab

## Projects

### Hybrid model for accurate prediction of increasing temporal big data in the cloud for mining large collections of co-evolving sequences

DESIGNING A HYBRID MODEL, INTEGRATING IMPROVED K-MEANS, HIDDEN MARKOV MODEL, AND BAUM-WELCH

ALGORITHM FOR PREDICTIVE ANALYSIS OF TEMPORAL BIG DATA IN CLOUD-BASED CO-EVOLVING SEQUENCE MINING

Python

<http://bit.ly/3IH8wQe>

### SummaEase: Speech and Text Summarizer

DEVELOPING A PROJECT LEVERAGING BERT AND A REAL-TIME SPEECH AND TEXT SUMMARIZATION LLM MODEL AND

USING STREAMLIT TO DEPLOY THE MODEL WITH EMPHASIS ON OVERALL UI/UX

Python, BERT, StreamLit, Git

<https://bit.ly/3VqsbM6>

### Music Player

A PWA MUSIC PLAYER WITH A RESPONSIVE WEB INTERFACE USING HTML, TAILWIND CSS AND JAVASCRIPT,

INCORPORATES USAGE OF KEYFRAMES, MEDIA QUERIES, PROMISES AND FETCH API

HTML, Tailwind CSS, JavaScript, Git

<https://bit.ly/4cqBgu7>

## Certificates & Achievements

Feb 2023	<b>Silver Medalist</b> , Won the silver medal and stood runners up in IBM ICE Day Technical Paper Presentation on the topic – “Using Nanotechnology to Reduce the Damage Caused to Optical Nerve”	IBM
Jan 2024	<b>Data Structures and Algorithms using Java</b> , Completed the course on Data Structures and Algorithms using Java as a part of the Alpha Plus batch	Apna College
Jan 2024	<b>Databases and DBMS</b> , Completed the databases course on being selected in the winter batch by SFedU, Russia	SFedU, Russia
Apr 2023	<b>Fundamentals of Digital Marketing</b> , Completed the coursework and certification exam for the course on the fundamentals of digital marketing by Google Digital Garage	Google
Aug, 2021	<b>Usefulness of Remote Sensing and GIS for Environmental Studies</b> , Completed the online summer school on usefulness of remote sensing and GIS for environmental studies	IIRS ISRO