Ajay Joshi

Almora, Uttarakhand

📞 +91 9045427188 ✉ ajayjoshi9045@gmail.com in ajayjoshi9 ○ github.com/aj9045j 💼 Portfolio

Education

Govind Ballabh Pant Institute of Engineering and Technology	**2021 – Expected 2025**
B.Tech in Computer Science & Engineering (AI and ML)	*Pauri Garhwal, Uttarakhand*

- **CGPA:** 7.8/10.0

Government Inter College	**2018 – 2020**
*Senior Secondary Examination (**Class XII**)*	*Bhikiyasain, Uttarakhand*

- **Percentage:** 82.4%

Technical Skills

- **Languages**: C, C++, Python, JavaScript, Java.
- **Web Technologies**: HTML, CSS, React.
- **Database Management**: MySQL, MongoDB.
- **Frameworks**: Node.js, Express.js, MERN stack, Socket.io, WebRTC.
- **Tools**: Git, Postman, VS Code, IntelliJ IDEA, Jupyter Notebook, AWS (Amazon Web Services).

Coursework

- Data Structures and Algorithms
- Design and Analysis of Algorithms
- Operating Systems
- Computer Networks
- Database Management Systems
- Object-Oriented Programming Systems (OOPS)
- Machine Learning (ML)

Projects

Video Calling Application | *React, Express.js, WebRTC, Socket.io, Node.js*   Live Demo
- * Developed a video call application featuring private/public rooms, an interview section, and an integrated online IDE.
- * Implemented a serverless architecture for video calls, resolving key technical challenges in media stream management and real-time communication.
- * Optimized peer-to-peer connections, enhancing communication efficiency and reducing latency by 30%.
- * **GitHub**: http://www.github.com/aj9045j/SeeSay

SpotYT | *React.js, MongoDB, JavaScript, Node.js, Express.js*   Live Demo
- * Implemented secure login with Cookie-based Authentication for session management.
- * Developed a web app to fetch and manage user playlists and songs using the Spotify API.
- * Utilized MongoDB to store user data, playlists, and song preferences.
- * Integrated YouTube API for video playback of selected songs from playlists.
- * **GitHub**: https://github.com/aj9045j/SpotYT

Sentiment Analysis Application | *Word2Vec, Python, Nltk, React*
- * Developed a sentiment analysis application for text classification into positive and negative sentiment.
- * Implemented a user interface using React for frontend and Express.js for backend, enabling seamless interaction and data processing.
- * Trained four models on diverse datasets: election data, Twitter data, Amazon product feedback, and movie reviews, optimizing each for specific domains.
- * Achieved an accuracy of 85% in sentiment classification tasks, surpassing benchmarks in performance metrics including precision and recall.
- * **GitHub**: https://github.com/aj9045j/sentiment_analysis

Coding Profiles

CodeForces → Link (**Specialist, Max Rating: 1411**)
CodeChef → Link (**Max Rating: 1720**)
LeetCode → Link

Achievements

- * **Solved** over 1000+ coding questions on Data Structures and Algorithms on different platforms.
- * **Secured** 281st and 315th positions in CodeChef Starters 118 Div 3 and Starters 120 Div 2.
- * **Attained** a maximum rating of 1411 on Codeforces, achieving Specialist level.