

RYTHM JAGGA

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Education

Guru Gobind Singh Indraprastha University

2022 – 2026

Bachelor of Technology in Artificial Intelligence and Data Science

CGPA: 6.5

Preet Public Sr. Sec. School

2019 – 2022

High School

Science (with Mathematics), CGPA: 7.5

Relevant Coursework

- DSA
- Database Management
- Artificial Intelligence
- Machine Learning
- Data Visualization
- Big Data analytics
- Natural Language Processing

Experience

Guru Gobind Singh Indraprastha University

July 2024 – October 2024

Machine Learning Intern

Delhi, India

- Developed and implemented machine learning projects focusing on Software Defined Networks (SDN) under the guidance of Dr. Amritpal Singh.
- Gained proficiency in machine learning concepts and mathematical foundations, applying them to real-world problems.
- Utilized the NSL KNN dataset to train and evaluate machine learning models, improving accuracy in network behavior predictions.
- Collaborated with peers to design and present project findings, enhancing communication and teamwork skills.

Projects

Grammatical and Spell Check App | *Python, Flask, Bootstrap*

October 2024

- Developed a web app for real-time grammar and spell checking using NLP.
- Integrated TextBlob for spell correction and LanguageTool for grammar checking.
- Built a responsive UI with Bootstrap and used Flask for backend.

Real-Time Chat Application | *React.js, Firebase*

August 2024

- Built a real-time chat app with Firebase for messaging and user authentication.
- Implemented Firebase Authentication (email/password Google login).
- Used Firestore for real-time message storage and retrieval.

Real-Time Code Editor | *Node.js, Socket.io*

July 2024

- Developed a real-time collaborative code editor using Socket.io and Node.js.
- Enabled multi-user editing with live updates and syntax highlighting.
- Stored user sessions and code for persistence across sessions.

Technical Skills

Programming Languages: Python, Java, C, C++

Libraries Proficient : Pandas, Numpy, Matplotlib, Seaborn, Nltk, Spacy

Scripting Languages: Javascript , Typescript

Frontend : React Js , Next Js , Html,css, Bootstrap, Tailwind

Backend : Node Js , Express Js , SQL , Firebase, MongoDB

Developer Tools: Docker, Git

Achievements

Hackunicorn Hackathon

June 2023

3rd Place

Gtbit College

- Secured 3rd place in the Hackunicorn Hackathon by developing a full-stack web application with an AI chatbot.
- Collaborated with a team to integrate AI for an intelligent chatbot capable of automating data analysis and responding to user queries.
- Worked on both frontend and backend development, ensuring smooth communication between the client-side and server-side components.
- Presented the solution to a panel of expert judges, receiving praise for its innovation, usability, and technical execution.