

# ANSHU BAJPAI

Lucknow, India

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## Education

### Pranveer Singh Institute of Technology

Nov 2020 - Jun 2024

Bachelor of Technology in Computer Science and Engineering (CGPA-7.9)

Kanpur, India

### Central Academy

April 2019

CBSE 12<sup>th</sup> - Percentage (87.4 %)

Lucknow, India

### Lucknow Public School

April 2017

CBSE 10<sup>th</sup> - Percentage (95 %)

Lucknow, India

## Experience

### Microsoft Engage

May – June 2022

Mentee

Remote

- Got selected among **3k+ mentees from 50k+ participants for 1 month mentorship program..**
- Completed a fully functional music based recommendation application on user's customizable modes.
- Worked on AI/ML techniques and executed **Software development life-cycle**.
- Tech Stack Used : StreamLit, Numpy, Pandas, Scikit Learn .

## Projects

### NavJeevan - Complete Healthcare Ecosystem | React, NodeJS, Java

Present

- Contributing in healthcare project integrating ambulance booking, tracking, EMR, and appointment scheduling, improving efficiency by 50%.
- Reduced wait times by 30%, lowered medical errors by 15%, and improved productivity by 10% using ML.
- Achieving **99.9% uptime** and **40% faster responsiveness** with **Cloud Services**.
- Focused on **increasing patient satisfaction** by 25%, **reduced readmissions** by 20%, and **cut treatment costs** by 5% with telemedicine and remote monitoring.

### Mosaic - Music Recommendation System | Python Libraries, StreamLit

May 2022

- Mosaic is a **Hybrid based song recommendation system web app with 90% accuracy** .
- Developed with **Cosine Similarity and TF-IDF ml techniques** can recommend upto 20 songs with 6 modes of user customizable recommendation genres.
- Frontend and UX/UI features **StreamLit features**  
Backend created **Python, Libraries-Pandas, Numpy, Scikit Learn**  
**Deployment Link**

### PathFinder-Dijkstra Algorithm Visualizer | Reactjs, Tailwind CSS

October 2022

- Visualizes shortest route between 2 nodes by 100% execution of **dijkstra algorithm** .
- Boosted user engagement by 30% with a **responsive front-end redesign and UX/UI features**.
- Achieved **real time visualization** with enabled animation of **path selection** .
- **Github Link**.

## Achievements and Certifications

- **Adobe Career Academy 2022** recipient
- Achieved highest rating of **1450(max)** at **LeetCode**, rated under top 50% globally .
- Achieved highest rating of **885** at **Codeforces** one of the top sites for competitive programming
- Achieved global rank of 4872 with team **ByteCode** at **GoogleHashCode 2022 Link**
- **Ai for Everyone Link**
- **Postman Student Expert Certified**

## Technical Skills

**CourseWork:** Object oriented programming, Operating System, DBMS, CN

**Languages:** C++, Python, Java(familiar), HTML/CSS, JavaScript, SQL

**Technologies/Frameworks/Libraries/Database:** Reactjs, TypeScript, MongoDB, Web3

**Tools:** Git/GitHub, Postman, MySQL, Kubernetes

## Profile Links

- Leetcode
- Hackerrank
- CodeForces