ANURAG SINGH

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EDUCATION

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar   Punjab,India
Bachelor of Technology in Computer Science and Engineering   (CGPA - **8.44/10**)   *November 2022 - Present*

SKILLS

Programming Languages:	C++, C, Javascript, SQL ,Java
Web Technologies:	HTML, CSS, MySQL, React.js, Node.js, Express.js, MongoDB, Rest API
CS Fundamentals	Data Structures and Algorithms , DBMS , OOPS , Computer Networks
Development Tools	Git , Github , VS code , Postman
AI Technologies:	Generative AI, RAG

EXPERIENCE

Optum (United Health Group)   *June 2025 - August 2025*
Technology Development Intern   *Gurugram, Haryana*
- Migrated almost 10% of legacy COBOL modules from mainframe to PySpark on Databricks as part of the ECAP team, responsible for computing provider payments.
- Contributed to modernizing into cloud-based architecture by implementing scalable solutions using Databricks Notebooks, DLT, and Git, resulting in improved scalability and reduced data processing time by more than 70%.

Training and Placement Offie (TPO) - NITJ   *July 2024 - December 2024*
Full-Stack Developer & Student Member   *Jalandhar, Punjab*
- Led enhancements and fmaintenance of the TPO website, boosting performance by 25%.
- Amplifying user engagement by 40% through a student query system and branch/year-wise placement filters.

PROJECTS

OrgMind AI - A GenAI RAG Chatbot Platform (Try it here) ⬤   *August 2025 - November 2025*
React, Express.JS, Node.JS, Vector Database(Pinecone), NPM SDK, Supabase, MongoDB, RAG,Web Scraping
- Built a multi-tenant GenAI RAG platform allowing organizations to upload documents, scrape websites, and deploy a private AI assistant with isolated knowledge bases.
- Implemented RAG pipeline with document ingestion, chunking, vector embeddings, and LLM-based responses.
- Created a plug-and-play NPM React chatbot SDK for easy website integration, supporting streaming responses, theming, and secure API access.

InterviewMate - An Interview Preparation Web App (Try it here) ⬤   *July 2024 - September 2024*
Tailwind CSS,MongoDB, Express.js, React, Node.js, AI Integration, Real-time Communication, Voice Modeling
- Developed a real-time interview feature that facilitated mock interviews for students, contributing to improvement in interview preparedness and confidence among participants in the placement program.
- Designed an analytics dashboard using Chart.js and Gemini to analyze voice model responses, boosting engagement.
- Built a high-performance one-to-one chat app with React.js and Socket.io (95% delivery, sub-200ms latency), integrated Google Sign-In, and improving security using JWT.

Story Time - A Community Centric Literature Platform (Try it here) ⬤   *January 2024 - June 2024*
React, Bootstrap, MongoDB, Express.JS, Node.JS
- Developed and launched a community-centric web platform for storytelling and poetry enthusiasts.
- Used the MERN stack, featuring rating, commenting, liking, following, personal libraries to save stories/poems for later, and an explore section to browse content by categories and genres.
- Integrated search functionality for better content discoverability. Which aims to 50% boost in user interaction, 35% organic growth, and improved user retention and satisfaction by 35%.

ACHIEVEMENTS AND CERTIFICATES

- Solved more than 900+ Leetcode Problems (Max Rating 1907) - currently Leetcode Knight.
- Earned a spot in top 10 teams in HackMOL 6.0 held at NIT Jalandhar. 🔗   April 10 – 11, 2025
- Qualified Among Top 2,000 Student in Flipkart Grid 6.0 Level 1.1 🔗   August 2024
- Completed Data Structures and Algorithms Course & Backend Development Course from PW skills. 🔗🔗

EXTRA-CURRICULAR ACTIVITIES

- Student secretary of Rajbhasha Samiti (Official Hindi cell of NIT Jalandhar).
- Student member at TPO(Training Placement office) and Alumni Cell of Our College.