ARYAN SHARMA

📞 8690892181 ✉ aryan21sharmaa@gmail.com in LinkedIn ○ GitHub 🌐 Portfolio

Education

Dr. B.R. Ambedkar National Institute of Technology   **2022 - 2026**
Bachelor of Technology in Computer Science and Engineering   *CGPA: 8.53 / 10.0*

Takshila Public School, Behror   **2019 - 2021**
Secondary Education   *12th Grade: 94.2%*

Projects

CampusCabs | Auto Rickshaw Booking & Ride-Sharing Application   **Link**
- Developed a web application for NITJ students, enabling **1000+ users** to book rides efficiently and achieving **90% peak-hour ride availability** by onboarding **10+ local drivers**, reducing commuting costs by **25%**.
- Enhanced UI/UX and backend performance, **boosting user engagement by 20%**, using **Framer Motion** for smooth transitions and **Twilio** for real-time messaging.
- **Tech Stack**: React.js, Node.js, Express, MongoDB.

WoLamhe | Personalized Photo Printing Platform (In progress)   **Link**
- Collaborating with a business to develop a web platform for custom photo prints, targeting **100+ orders monthly** and optimizing backend operations to **reduce fulfillment time by 20%**.
- Designed a scalable database to streamline order processing and enable real-time tracking, **enhancing overall user experience by 60%**.
- **Tech Stack**: React.js, Node.js, Express.js, MongoDB.

Emotify | Emotion-Based Music Recommendation App   **Link**
- Built an AI-driven music recommendation system with **90% classification accuracy**, leveraging **face-api.js** for emotion detection and **Spotify API** for personalized playlist curation.
- Refined recommendation logic, **boosting user satisfaction by 15%** and **improving retention by 10%**.
- **Tech Stack**: React.js, Tailwind CSS, face-api.js, Node.js, Spotify API, Express.

Technical Skills

Programming Languages: C++, Python, R
Web Development: Next.js, React.js, Node.js, Express.js, JavaScript, TypeScript, Tailwind CSS, Google Cloud(GCP)
Databases & ORM: MongoDB (NoSQL), Mongoose, MySQL (SQL)
Developer Tools: Git, GitHub, Postman, VS Code
Relevant Coursework: • Data Structures and Algorithms Analysis • Object-Oriented Programming • DBMS • Machine Learning • Computer Networks • Cloud Computing • Operating Systems • Theory of Computation

Work Contributions

Website of gaNIT - Mathematics Club of NITJ | Backend Developer   **August 2024 – Present**
- Developing and optimizing the backend for the gaNIT website, ensuring efficient API design and database management to enhance performance and scalability.
- Targeting a **40% increase in user engagement** and a **25% reduction in bounce rate** by streamlining server-side logic and optimizing API response times.

Technical Achievements

- **Solved 450+ questions** across various coding platforms like LeetCode, GFG, CodeForces, etc.
- **Peak contest rating: 1500+** on LeetCode with participation in **10+ contests (LeetCode Profile)**.
- **Top 5% in Curvetopia**, Adobe GenSolve hackathon focused on regularizing and beautifying 2D curves through geometric modeling and optimization techniques, including curve identification, smoothing, and interpolation.

Extracurricular Activities

- **Recognized by MeitY** with a certificate in Capacity Building for Human Resources in UAVs.
- **Official Inter-NIT basketball** player for NIT Jalandhar, competed in multiple tournaments representing NITJ.
- **Official Core Member and Player** for Esports team at NIT Jalandhar