SONU KUMAR

Patna, Bihar

📞 +91 9142782515   ✉ sonubbu7465@gmail.com   in Linked In

EDUCATION

Dr BR Ambedkar NIT Jalandhar   **Aug 2024 - Jul 2028**
BTech Computer Science Engineering   *Jalandhar, Punjab*

DAV Public School   **2020 - 2022**
Class 12- 92.8 percentage   *Bhabua (Kaimur), Bihar*

EXPERIENCE

CDAC Noida — Cybersecurity Intern ↗   **Jul 2025 - Aug 2025**
Intern   *Remote*

- Analyzed Windows-based keylogger behavior using WinAPI and sandbox testing in a controlled lab
- Performed process monitoring and behavioral analysis to detect potential keylogging activity
- Identified indicators of compromise (IOCs) and recommended secure coding and prevention strategies
- Applied basic OWASP security practices to understand endpoint threat vectors
- Documented findings to improve threat detection and system security awareness

Perplexity AI ↗   **Aug 2025 - Oct 2025**
Role - Campus Ambassador   *Remote*

- Promoted AI productivity tools across NIT Jalandhar through technical outreach
- Conducted peer demonstrations to increase student adoption of AI platforms
- Collaborated with global ambassador cohort to drive campus engagement initiatives

PROJECTS

PlayTube — Full-Stack Video Platform ↗ | MERN Stack   **Feb 2026**

- Developed a MERN stack video platform using React, Node.js, Express, and MongoDB
- Implemented JWT-based authentication and protected routes for secure user access
- Designed RESTful APIs for video management and user operations
- Integrated Cloudinary for scalable media uploads
- Built responsive UI using Tailwind CSS and deployed via Vercel and Render
- Followed secure coding practices to prevent unauthorized access
- Live: https://play-tube-eta.vercel.app/

AI ChatBot ↗ | Streamlit, Python, Groq API, dotenv   **Aug 2025**

- Built multi-model AI chatbot supporting Llama-3, Mixtral, and Gemma
- Implemented secure API key management using environment variables
- Designed interactive Streamlit UI with chat history and model switching

Mobile Wallpaper App ↗ | Expo , NodeJs, TypeScript, OAuth, ReactNative   **Mar 2025**

- Developed cross-platform mobile application using React Native and Expo
- Implemented OAuth authentication for secure user login
- Built theme-based wallpaper filtering with dynamic API fetching
- Collaborated in a team environment using Git and GitHub
- Code link here

TECHNICAL SKILLS

Languages: C, C++, JavaScript, TypeScript, Python, HTML, SQL, R, XML
Databases: MongoDB, PostgreSQL, MySQL, NoSQL, Prisma, Mongoose
Frontend: React.js, Redux, NextJS, Tailwind CSS, ShadCN, Responsive UI Design
Backend: Node.js, Express.js, REST APIs, JWT Authentication, Render, WebSockets ,grpc
Security: Secure Coding, OWASP Basics, Process Monitoring, Sandbox Testing
AI: API Integration, Streamlit, Prompt Engineering
Developer Tools: VS Code, Android Studio, DataGrip, Intellij Idea Ultimate, Vercel, Netlify, Postman
DevOps: Linux, Git, GitHub, AWS, Docker, Kubernetes, GitHub Actions (CI/CD)
Core Cs: Data Structure and Algorithms, OOP, DBMS

Achievements

- Qualified Stage-1 of AlgoUniversity Tech Fellowship (ATF) Coding Test, ranking in the top 8% nationwide among 2.5L+ participants