AYUSH JAIN

+91-8595996776 ayushjain.official07@gmail.com ayush-jain-techie ayush14189

EDUCATION

Netaji Subhas University of Technology (erstwhile NSIT) **New Delhi, India**
B.Tech, Electronics and Communication Engineering (specialization in AI and ML) *2022-2026*
- CGPA (till 5th Semester): **8.11/10.0**

Lovely Public Senior Secondary School **New Delhi**
Secondary and Senior Secondary Education
- CBSE (Class XII) Grade: **94%** *2021-2022*
- CBSE (Class X) Grade: **97%** *2019-2020*

PROJECTS

RISE- Research, Innovation, Startups and Entrepreneurship **Link**
Tech Stack: *ReactJS, Redux, ExpressJS, NodeJS, MongoDB, MaterialUI, TailwindCSS*
- Designed a centralized platform for Gujarat's innovation ecosystem, streamlining **collaboration** and **data management** among key stakeholders: **startups**, **researchers**, **policymakers**, **investors**, and **IPR managers**, resulting in a **30% improvement in operational efficiency**.
- Engineered role-specific dashboards and a **real-time monitoring system** for researchers, startups, and policy-makers, enhancing **project visibility and reporting accuracy** by over **25%**.
- Built modules for **progress tracking**, **reward systems**, and **data-driven insights**, achieving a **20% increase in transparency** for project outcomes and resource allocation through **real-time analytics**.
- Integrated a dynamic **IPR management module** that automated application workflows and status tracking, leading to a **25% reduction in patent filing timelines** and improved **compliance visibility**.

Swasthify - Bridging Distances & Enhancing Care by Empowering Health **Link**
Tech Stack: *ReactJS, Redux, ExpressJS, NodeJS, MongoDB, Flask, Tensorflow, PyTorch, Keras*
- Developed an **AI-powered healthcare platform** bridging the gap between patients & doctors via virtual consultations, achieving **70% reduction** in travel barriers and delays.
- Implemented secure, real-time appointment orchestration using **Google Calendar** and **Meet/Zoom APIs**, **reducing scheduling latency by 80%** and ensuring high availability of consultation slots.
- Integrated **disease-specific predictive analytics models** based on **CNN** and **NLP** for early detection of chronic illnesses (e.g., cardiovascular diseases, diabetes, brain hemorrhage, skin diseases, etc.), delivering over **90% predictive accuracy** and enabling timely clinical interventions.
- Designed **Dr. MediBot**, a **multimodal Retrieval-Augmented Generation (RAG) conversational agent** built on **FAISS-based vector search**, capable of processing **text, speech, and PDF queries**, resulting in a **40% improvement in autonomous user query resolution.**
- Engineered three AI-driven features using **MedLLaMA: prescription summarization with 99% accuracy, personalized health tips, and symptom-based disease prediction with 92% precision**, collectively **improving diagnostic efficiency and patient engagement by 45%.**

SKILLS

Languages: Python, C++, HTML/CSS, JavaScript, TypeScript, Go
Frameworks & Libraries: Flask, FastAPI, Tensorflow, PyTorch, ExpressJS, NodeJS, React, Redux, Tailwind
Databases & ORMs: MySQL, PostgreSQL, MongoDB, Mongoose, Prisma
Tools & Technologies: Git, GitHub, Gitlab, Linux, GraphQL, Docker, Kubernetes
Other Skills: Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks

SCHOLASTIC ACHIEVEMENTS

- Selected as a **Research Consultant** on **WorldQuant Platform**, where I conceptualized & refined trading algorithms tailored to USA and China markets, culminating to the achievement of the prestigious **Gold Level**.
- Secured the esteemed **First Position** among 100+ teams at **T-Hacks 7.0**, organized by ADGIPS, Delhi.
- Distinguished among the **Top 30** teams out of over 100 teams at **Hack Vortex**, organized by JIMS, Delhi.
- Earned a coveted **Semi-Finalist** position at **HackwithMAIT 5.0**, outperforming more than 300 teams.
- Emerged as **Semi-Finalist** at **Smart India Hackathon 2024** from a pool of 200+ intra-college teams.
- Recognized as a **Finalist** at **Hackaccino 3.0**, organized by Bennett University, for devising and presenting a **technologically innovative solution** that stood out among a large cohort of competing teams.