Ayush Agarwal

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Education

IIT BHU, Varanasi – B.Tech in Electronics Engineering (ECE), CGPA: 9.04   2020 – 2024
Class 12 (CBSE) – 97.2% , **Class 10 (CBSE)** – 95.5%

Experience

INFO EDGE (NAUKRI) - DATA SCIENTIST   May 2024 – present

- **Skills** - Generative AI, Recommender Systems, Data Engineering
- **Reels Notification pipeline** - Constructed **Data Pipelines** to deliver notifications to **6,00,000+ users** achieving **5x DAU** (Daily avg Users) on Naukri reels, translating complex business logic into code, computing dynamically computed user pool.
- **News Recommender System** - Developed **Real Time Recommender System** for Naukri Techminis, a news platform similar to Inshorts, serving personalized content to **40,000+ users** with response time <150ms.
- **Notification Generation using GenAI** - Used **Prompt Engineering over Llama** to automate notification content generation processing **400+ videos** with zero manual effort.
- **Sales Intelligence AI (Hackathon) -** **Ideated** and prototyped an innovative AI tool to empower sales teams with **features** like call summarization, salesperson evaluation, and client-specific data extraction (using **RAG**) from Naukri's internal databases.

NVIDIA - ASIC DESIGN (HARDWARE ENGINEERING) INTERN -   May 2023 – July 2023

- Member of Team **Tegra SoC** - XUSB HSIO - **Building chips for Automotive Vehicles** and Embedded Systems of future
- **SFV SLCG deployment -** Discovered and debugged **1 critical bug** in the chip. Created quality **documentations** on Confluence. **Deployed**, Executed and Documented "SLCG SFV" workflow over **3 submodules** in USB IP.
- **Netlist Linting over USB IP -** Performed **Rule Based Data Analytics** over **8000** Netlist Linter outputs thus assuring **best quality practices** in Netlist.

Achievements

- **SPECIAL MENTION - GYMKHANA AWARD:** Among **top 20 students across IIT BHU (2024 batch)** in technical proficiency
- **Among top 9 - LLM bootcamp (Pathway & CAC IITG) -** Built ConsultBot, RAG based LLM App for practicing case studies
- **Within TOP 50 across country, Tata Elxsi -** Mechatronics based real life problem solving event
- **6th Position in Ideeavolt, IIT ROORKEE :** Idea Pitching Competition.(Made Innovative Electronic Door)
- **3rd Position in X-IoT-A Udyam IIT BHU :** Internet of Things(IoT) event .(Made Innovative Oscillating Fan)
- **2nd in Art of Flight AMC Technex IIT BHU :** FPV Drone Flying event.(Used FPVFreeRider Drone Simulator)
- **2nd position in Recognizance Prastuti IIT BHU :** Machine Learning/Deep Learning Event. (Made U-Nets)
- **3rd position in Cassandra Udyam IIT BHU :** Data Science Event (Invoice payment duration prediction model)
- **1st position in Continuum Udyam IIT BHU :** Analog Electronics event

Position of Responsibility (POR) - Digisim Coordinator - Udyam 22 (ECE Dept Fest)

- **Skills Demonstrated:** Time Management, Communication Skills, Public Speaking, Mentorship, Innovation.
- **Spearheaded** the Digisim event, overseeing end-to-end execution, including workshops and problem statements. Conducted hands-on sessions for **50+ juniors**, mentoring them in PCB design and fostering a culture of backend VLSI.
- Designed **innovative** real-life digital electronics problems and organized a final challenge and **ensured seamless event execution** through strong **leadership and mentorship**.

Extra-Curricular Activities -

- **2nd position** in Sanlayan Bandish , Kashiyatra , solo instrumental competition (**Guitar**) .
- **Hobbies :** Photography (Silhouette, Nature), Dance (Shuffle)
- **Languages :** English, Hindi, French