

Anushree Arora

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EDUCATION

Nanyang Technological University, Singapore 2021-2025
Double Degree in B.Eng. Computer Science and Bachelor of Business with a specialization in Business Analytics

Business CGPA – 4.28/5.00

Computer Science CGPA – 4.10/5.00

Certified Associate in Project Management(CAPM®) – Project Management Institute 2023

Neev Academy, India — IB Diploma – 44/45 2019-2021

WORK EXPERIENCE

Fibronostics - Business and Systems Analyst Intern 09/2024 – Present

- Automated the order lifecycle using API services to provide real-time visibility on lead times and inventory levels with auto-replenishment capabilities.
- Achieved a **5x reduction in shipping costs** through improved order planning and optimization.
- Built dashboards to track KPIs and monitor operations and sales performance

Monetize – Software and AI Intern 05/2024 – 08/2024

- Built a **MVP of a voice-enabled AI Copilot** using the capabilities of **AWS Transcribe, GPT-3.5** for an e-commerce AI assistant.
- Implemented NLP and NLU using intent and entity recognition techniques.
- Managed the database using **PostgreSQL, vector databases, and LangChain**.
- Deployed the solution using **AWS Services (S3, Lambda, Transcribe, DynamoDB)**

Bolloré Logistics – Data Intern 05/2023 – 08/2023

- Conducted **time series forecasting using machine learning models** like **ARIMA, ETS, XGBoost and Prophet** on operational data from the Warehouse Management System to dynamically predict manpower allocation for quality assurance checks.
- Developed a POC of an automated label reader using **Optical Character Recognition** techniques to reduce manual data entry operations at the warehouse and improve data accuracy.

RELEVANT COURSES AND PROJECTS

- Artificial Intelligence
- Database System Principles
- Data Structures and Algorithms
- Developing Databases
- Neural Networks and Deep Learning
- Financial Service Processes & Analytics

Peer-to-peer Federated Learning for Recommendation systems(Final Year Project)

Enhancing the features of an **android** application to enable **peer-to-peer sharing of ML models** through android phones. Improving existing algorithm used for peer-to-peer federated learning for better results.

Portfolio Optimisation Educational Web App

Developed a platform using machine learning in real time stock portfolio optimisation. Responsible for the **frontend using React and Natural Language Processing**.

Tennis in the near future: using computer vision for automatic performance analysis

Assisted PHD project applying **computer vision and movement analysis algorithms** on tennis games.

TECHNICAL SKILLS

Python, C++ , Javascript, LLMs, PostgreSQL, NodeJS, ReactJS, HTML, CSS, Flask, AWS, Tableau, R, Multi-agent Frameworks, REST Apis, vector databases, Machine Learning, Natural Language Processing, UIPath

LANGUAGE SKILLS

English, Hindi, Tamil, Kannada, German(Beginner), Spanish(Beginner)

CO-CURRICULAR ACTIVITIES

NTU PEAK Program Consultant - Nxera(Singtel) 09/2024 - 10/2024

- Led a team of students to develop innovative solutions for improve the Power Usage Effectiveness(PUE) at Nxera's data centers and reducing energy consumption

HackSingapore 2024 Finalist 2024

- Placed 3rd out of 70+ teams for developing a volunteering app to encourage social responsibility in Singapore and helping an aging population. Led the ideation and the product pitch.

NTU Varsity Tennis –Player(Women's team) 2021-Current

- Won Gold(2022), Bronze(2023, 2024) in the Singapore University Games
- Enhanced skills such as working under pressure, managing time, teamwork