

Arya Agrawal

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EDUCATION

Vellore Institute of Technology, Vellore, Vellore, Tamil Nadu 2021-2025
B.Tech Computer Science Core

GD Goenka Public School Gurugram, Gurugram, Haryana 2013-2021
AISSE, AICSSSE

EXPERIENCE

IIT Kanpur **Kanpur, Uttar Pradesh**
Research Intern August 2023 - January 2024

- Led collaborative projects integrating AI/ML/DL into robots for diverse applications, partnering with DRDO as well as pioneering novel concepts.

Industrial Development Funding **New York, USA (Remote)**
AI Intern August 2023 - September 2023

- Enabled seamless integration of AI tools into company workflows, boosting operational efficiency, and provided AI consulting services to optimize operations for an Investment Advisory firm.

Vir Innovations Pvt Ltd **Hyderabad, Telangana (Remote)**
ML Developer May 2023 - July 2023

- Led diverse AI-ML-IoT projects across sectors including Defence and Industry, focusing on ML model integration and training with hardware systems to deliver tailor-made solutions for clients.

Ernst & Young **Gurugram, Haryana**
Project Intern June 2022 - July 2022

- Developed a comprehensive cloud migration strategy, defining migration architect roles, establishing KPIs and performance benchmarks, and enabling smooth transitions.

PROJECTS

Cloud Migration Framework

- Cloud migration plan generation, KPIs, benchmarks, optimized applications using algorithms.

Siemens Healthineers Project

- Query classifier model for Siemens Healthineer's database, generating outputs using advanced word vectorization and integration through Flask backend.

BioMed Chat Bot

- Creation of ChatGPT for Medical queries, using BERT.

Project Pratham

- Worked on the Perception stack of VIT's first autonomous vehicle as part of Team AutoZ, showcased at the International Ground Vehicle Competition (IGVC), USA.

3D Object Reconstruction

- Reconstruction of a 2D image to 3D Point cloud/3D model based on inputs taken real-time.

SKILLS

- **Relevant Coursework:** DSA, DBMS, OS, OOPS, Networks, Compiler Design, Java, Computer Architecture, ML, Information Security, Python.
- **Programming:** Python, C, C++, Java, SQL, HTML, CSS, JavaScript.
- **Framework/Tools:** ML, DL, NLP - NumPy Pandas, Scikit-Learn, Keras, PyTorch, Matplotlib, Tensorflow, NLTK, OpenCV, SpaCY, Figma, Jira, AWS Sagemaker, ROS.

ACHIEVEMENTS

- Chaired a workshop on "Exploring Hardware Architecture for Signal Processing and AI in Engineering" for ECE students
- Presented the first semi-autonomous vehicle of VIT at the 27th National Conference on Internal Combustion Engines and Combustion (NCICEC)
- Representing VIT in Girls Basketball and Girls Volleyball team
- Published 2 Papers: Taylor and Francis Publication , IEEE Xplore Paper