VARUN D

+91 9894296618 • dvarun2003@outlook.com • linkedin.com/in/varund2003/ • github.com/varund2003

SUMMARY

Passionate and ambitious undergrad student pursuing a degree in Computer Science and Engineering. Excited to apply my knowledge and analytical acumen to tackle complex challenges in the realm of machine learning. A proactive learner with a strong commitment in Machine learning ,Natural language processing(LLM) and Deep learning .

EDUCATION

B.E Computer Science   Graduating June 2025
Anna University   8.4 CGPA
Madras Institute Of Technology, Chennai
Relevant coursework: Machine Learning, NLP(LLm), Linear algebra, Statistics and Probability

TECHNICAL SKILLS

Libraries: NumPy, Pandas, Scikit-Learn, TensorFlow, Keras, NLTK, Matplotlib, Seaborn
Software Tools: Jupyter Notebook, Tableau, GitHub, Pycharm, VS code, StarUML, Figma, Microsoft Office
Programming: Python, SQL, Java, C
Certifications: IBM Certified Data Science with Python and SQL -February 2024

PROFESSIONAL EXPERIENCE

Indian Institute of Technology, Indore: Research Intern   Jan 2024 – Present
- Working on Predicting population migration in India due to Climatic change by 2040 (Jupyter Notebook, Python)
- This includes building a gravity model and incorporating various Climatic parameters (Matplotlib, Statistics)

ACADEMIC PROJECTS

LLM Augmented Text Generation-Mitigating Offensive Language, Enhancing Text Diversity. Nov 2023 - Present
Led team of three to design a transformer model for removing offensive language and to improve text diversity.
- Implemented LLM-based Augmented Text Generation system to mitigate offensive language and enhance text diversity, advancing user interaction and inclusivity.
- Utilized Python, TensorFlow, and OpenAI's GPT models to develop and refine the solution for real-world deployment

Video Streaming Using Multi Path TCP (MTCP)   Jun 2023 - Nov 2023
Collaborated in a team to design and develop a Multi-Path TCP (MPTCP) solution for optimized video streaming.
- Implementing MPTCP for video streaming: analyze network, load balancing and subflow management(Linux OS)
- Optimizing bandwidth aggregation and network resilience for seamless viewing experiences. (SDN, Minnet)

OTHER WORK EXPERIENCE

Personality Development Association , MIT: Designer (4 hours/week)   Aug 2023 - Present
- Designed engaging posters and banners for various club events utilizing Canva and Figma.

Herbalife Nutrition Ltd, India: Senior Consultant (Part-time)   Aug 2022 – Present
- Nutrition health consultant dedicated in helping individuals to achieve their wellness goals.

ACTIVITIES

Team Everest NGO   Jan 2024 – Present
Engaged as active volunteering Member.
- Contributing to initiatives focused on education and youth empowerment. Collaborated with a dynamic team to organize events, fundraisers, and community outreach programs, all aimed at fostering positive change.Committed to advancing educational opportunities and uplifting youth voices within our communities.

Youth Red Cross (YRC)   Nov 2021 – Present
Engaged as Youth Red Cross(YRC) Student Member.
- Fostering community involvement, leadership, and humanitarian values through various initiatives.