



Nandani

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Bachelor of Technology

Computer Science and Engineering

Lovely Professional University

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🐙 GitHub

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EDUCATION

•Lovely Professional University, Phagwara, Punjab

2022-26

B.Tech (Computer Science and Engineering)

CGPA: 7.54

•R.K +2 High School

2019-2021

11th and 12th(PCM)

85%

PERSONAL PROJECTS

•AI DSA Assistant - Github

Developed an AI-powered code assistant for real-time coding help and optimization

- Tech Stack and Technologies: **Transformer Models, RAG, Natural Language Processing, Code Parsing, Embeddings.**
- Enhanced code assistance by integrating AI-driven syntax analysis, bug detection, and efficiency recommendations.
- Implemented code retrieval mechanisms for suggesting solutions based on past programming patterns.
- Optimized performance by leveraging embeddings and vector space models to improve search relevance.
- Achieved **90%+** accuracy in code suggestions, surpassing traditional static rule-based coding assistants.

•AI Agent - Github

Developed a robust news generation pipeline using the Crew AI framework and Google's powerful language models

- **Automated News Generation:** Generates articles on various topics with minimal human intervention.
- **Robust Pipeline:** Efficiently handles data collection, processing, and content generation.
- **High-Quality Output:** Produces well-structured and engaging news pieces.
- **Scalable Efficient:** Can expand to multiple domains and topics effortlessly.
- **AI-Driven Content Optimization:** Ensures relevance, coherence, and factual accuracy.

TECHNICAL SKILLS AND INTERESTS

Languages: C ,C++ ,Java ,Javascript, Python

Developer Tools: Github, VS Code, Pycharm, Jupiter, Google colab

Technology /Frameworks: Natural Language Processing, Generative AI, Pandas, Py-torch, Matplotlib, Large Language Models, Neural Network

Cloud/Databases: AWS, Dyanamo DB, API

CourseWork: Data Structures and Algorithms, Operating Systems, DBMS, OOPs

Areas of Interest: Competitive Programming, Advanced algorithms, Deep learning, Natural Language Processing

ACHIEVEMENTS

- **1-Star** on **CodeChef** with max rating of **1232**. ([Link](#))
- **Certification** on Amazon Web Services **Cloud Computing**. ([Link](#))
- (**Top 57.56%**) on **Leetcode** with max rating of **1461**. ([Link](#))
- Solved over **1000 DSA/CP** problems on platforms like GFG, CF and Leetcode. ([Link](#))
- Secured **Global Rank 56, 94** and **146** in CodeChef's Starters of over **38464** participants. ([Link](#))
- Secured **Top 23.17%** GFG platform out of **31063** contenster. ([Link](#))