

# Amankumar Anil Verma

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Bachelor of Technology

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🐙 GitHub Profile

🌐 LinkedIn Profile

## EDUCATION

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### •Bachelor of Technology in Computer Science and Engineering(AIML)

2022-26

VIT Bhopal University, Bhopal, Madhya Pradesh

CGPA: 9.08

## PERSONAL PROJECTS

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### •ML-Based SaaS Health & Meal Planner (Ongoing)

An ML-based SaaS platform offering personalized health and meal plans to enhance adherence.

- Implemented machine learning models to adjust diets and workouts in real time, boosting user adherence by 25%.
- Delivered personalized health recommendations, enhancing engagement for over 100 users.
- Led the development of a scalable backend using FastAPI and PostgreSQL, reducing server response time by 40%.
- Technology Used: Python, React.JS, FastAPI, PostgreSQL.

### •NeuralSight: Conversational Intelligence for Vision Transformers

A RAG-based conversational AI application focused on Vision Transformers using LangChain and Google Generative AI.

- Developed NeuralSight, a Retrieval-Augmented Generation (RAG) system using LangChain, Google Generative AI, and Streamlit, achieving contextually accurate responses about Vision Transformers with 90% relevance.
- Implemented parallel document processing with concurrent futures, reducing data ingestion time by 40% and optimizing vector embeddings for efficient semantic search.
- Technology Used: Python, LangChain, ChromaDB, Google Generative AI, Streamlit, Concurrent Processing

## EXPERIENCE

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### •SDT House of Fashion Internship

Online

- Led the design and setup of the company website, resulting in a 20% boost in online sales.
- Developed custom shipping modules, streamlining order processing and reducing cart abandonment by 10%.
- Enhanced UI/UX design, improving user experience and reducing bounce rates by 15%.

## POSITION & RESPONSIBILITIES

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### •Design Specialist: Freelancing Club

Fulltime

VIT Bhopal University, Bhopal, Madhya Pradesh

- Created and executed 50+ custom graphic designs for the Freelancing Club, strengthening the club identities.
- Boosted club recognition by 40% through enhanced visual appeal and strategic design.

## TECHNICAL SKILLS AND INTERESTS

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**Languages:** C/C++, Python, Javascript, HTML+CSS

**Libraries :** C++ STL, Python Libraries, ReactJs

**Web Dev Tools:** Nodejs, VScode, Postman, Git, Github

**Frameworks:** ReactJs

**Cloud/Databases:** MongoDB, Firebase, Relational Database(PostgreSQL)

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Computer Network.

**Areas of Interest:** Web Design and Development.

**Soft Skills:** Presentation, Problem resolution, Self-learning, Presentation, Resilience

## ACHIEVEMENTS

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### •TCS CodeVita Season 12

- Secured a global rank of 258, demonstrating exceptional coding skills.

### •NPTEL Topper: Privacy & Security in Online Social Media

- Ranked in the top 5%, awarded Elite + Silver Certificate.