SIVIA ANZAL

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EDUCATION

Bachelor of Technology, Computer Science Engineering, VIT Bhopal University, Aug 2022 - May 2026
Coursework: Data Structures and Algorithms, DBMS, OOPS, OS, CN 8.93 CGPA

EXPERIENCE

Winter Technology Intern Nov 2024 - Jan 2025
Oil and Natural Gas Corporation (ONGC) *Jorhat, Assam*

- Designed and implemented a **digitalized Inventory Management System** to replace manual processes, enhancing operational efficiency across multiple departments at ONGC.
- Integrated **real-time stock tracking** to prevent stockouts serving a userbase of **200+ users**.
- Developed secure, role-based **authentication** using **JWT**, alongside features like consumption and critical quantity reporting, leveraging **Django, React.js, and PostgreSQL** for scalability and reliability.

PROJECTS

birdAI- Generative AI (SaaS)

- Developed an AI-SaaS platform birdAI, utilizing cutting edge models from **OpenAI** for chat, code,**DALL-E** for image, **Riffusion** for music and **ZeroScope** for video generation boosting content creation efficiency by 50%.
- Enabled the generation of a wide range of content formats, offering **5 main functionalities**- chat generation, code generation, image generation, music generation and video generation.
- Prioritized robust security and data user privacy by implementing **secure authentication using clerk,** ensuring the safekeeping of sensitive information up to 99%. *(https://bird-ai.vercel.app/)*

MyPeriodTracker

- Remodeled a comprehensive **mobile period tracking application** using **Ionic+React**.
- Integrated core features like **cycle tracking**, **future period prediction**, **cycle analysis** using **data visualisation,** and aiming for 40% better accessibility among users and validated **user experience** with a clean and intuitive UI.

EXTRA-CURRICULAR & PUBLICATION

President at Data Science Club, VIT Bhopal May 2024 - June 2025

- Spearheaded a team of 60+ members, reinforcing club productivity by 25% through club activities. Organised FLAMES, Data Science bootcamp gaining 300+ student registrations

Research Publication: *Machine Learning in Neuroscience using Information Theory* Feb 2024 – Apr 2024

- Leveraged information theory to analyze simulated spiking neural networks modeled using Izhikevich neurons. Conducted 13 simulations across four distinct neural models.

Achievements:

- Highest rating of 1749 on LeetCode with 300+ problems solved.

SKILLS & CERTIFICATIONS

Languages, Frameworks & Tools C++, HTML5, React JS, CSS, Django, PostgreSQL, VS Code, GitHub.

Certification: Python Essentials (VITYARTHI), The Bits and Bytes of Computer Networking (Coursera), Foundations of Cybersecurity (Coursera), Cloud Computing (NPTEL Course, Elite+Silver Certificate).