Anusha Sree.S.V

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EDUCATION

Vellore Institute of Technology   Bhopal, MP
B. Tech in Bioengineering – 8.89 CGPA   *September 2022 – Present*

VAV International School   Tirupur, TN
Class XII – 83.8%   *April 2021 – May 2022*

Kovai Vidyashram   Tirupur, TN
Class X – 88.8%   *April 2019 – May 2020*

TECHNICAL SKILLS

Programming Languages: Python (NumPy, Pandas, Biopython), Java (Basics), MATLAB (Basics)

Web Technologies: MERN Stack (MongoDB, Express.js, React, Node.js)

Tools & Concepts: Object-Oriented Design (OOD), Data Structures, Git, Tableau, Machine Learning, Deep Learning, Artificial Intelligence, Embedded Systems, IoT

CERTIFICATES

- MERN Full Stack Certification Program (Ethnus) — *April 2025*
- OCI Data Science Professional (Oracle University) — *May 2025*
- Artificial Intelligence, Machine Learning & Deep Learning, Embedded System Design, and IoT (EdGate Technologies) — *Oct 2024*
- The Joy of Computing using Python (NPTEL, IIT Madras) — *April 2024*
- Applied Machine Learning in Python (University of Michigan, Coursera) — *Dec 2023*
- Python Essentials (Vityarthi, VIT Bhopal University) — *May 2023*
- Tableau Course (IIT Roorkee, TNX) — *Oct 2025*
- MATLAB Onramp & Simulink Onramp (MathWorks) — *Sept 2025*
- Molecular Biology Mentorship (Sangene Biotech, Teachnook) — *July 2024*

PROJECTS

Soil health management technologies | *Researcher*   *February 2024 - April 2025*
- Assessed and analyzed advancements in soil health management techniques for sustainable agriculture.

Sustainable agriculture using edible halophytes | *Lead researcher*   *April 2023 - February 2024*
- Developed innovative agricultural model using salt-tolerant plants, achieving 40% reduced water consumption.
- Implemented eco-friendly farming practices, resulting in a 30% improved crop yield.

DNA toolkit and Genome toolkit using Python | *Developer (On-going)*   *March 2025 - Present*
- Developing a Python-based toolkit for DNA and genome analysis tailored for molecular biology applications.
- Leveraging libraries including Biopython, pandas, NumPy, and re for efficient sequence processing and genomic data manipulation

WORK EXPERIENCE

Research intern – Sangene Biotech, Bengaluru   *June 2024 - July 2024*
- Engineered and executed HES1 gene cloning strategy into pEYFP-N1 vector, achieving integration using qPCR and Western blotting.
- Designed and optimized qPCR primers for NQO2 gene expression analysis using bioinformatics tools.

Marketing lead – Health-O-Tech, VIT Bhopal   *August 2023 - July 2024*
- Designed digital marketing strategies across social media platforms to build a strong club presence and attract interdisciplinary participation.

ACHIEVEMENTS

TCS CodeVita S'12: Participated in a competitive pool of global participants.
Marketing lead: Health-O-Tech, VIT Bhopal
Lead volunteer: Health Hackathon organized by VIT Bhopal and Johns Hopkins University, USA (February 2025)
Industry Conclave 2024: Finalist for poster presentation on the topic "Lupus: An Overview of the Disease and Management Options" organised by VIT Bhopal.