



SNEHA YADAV

UNDERGRADUATE STUDENT
BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING

PROFILE

Aspiring 3rd year student pursuing B.Tech in Computer Science and Engineering at Amrita School of Computing, Bangalore. Dedicated and consistently performing well in my academics. I am on a journey to explore the field of technology, with a strong desire to enhance my knowledge and network. Always eager to expand my skill set through continuous learning, I aspire to leave an impactful mark in the tech industry.

PROJECTS

DBMS, Machine Learning, Web Development, Python

Vitalista - PCOS Awareness Website

- Developed a machine learning-based platform for PCOS prediction based on inputs of noticeable symptoms from user.
- Curated a diverse dataset, and included interactive visualizations on the website.

Machine Learning, Web Development, Python

ML based project - Finding relevance of an answer to a question

- Worked on a ML project to assess the relevance of answers to questions, utilizing graded datasets (0-5 scale) with embeddings from BERT, GPT-2, and RoBERTa.
- Manually created testing dataset spanning diverse domains to identify the most effective embedding and model combination.

Operating System, Python

ProShed- Operating System Scheduler using various process scheduling algorithms

- Designed an operating system scheduler with multiple scheduling algorithms, visualized via Gantt charts, showing key metrics like waiting and turnaround time.

Data Structure and Algorithms (DSA), Java

ArbitrageXplore - Crypto currency simulation and Arbitrage Finder

- Simple simulation website for cryptocurrency trading, with main focus on arbitrage finder function. Arbitrage Prices calculated using Binary Search Tree.
- Includes interactive price chart visualizations and user friendly interface.

CONTACT

- +91 8104618159
- sneha764yadav@gmail.com
- Bangalore, Karnataka
- www.linkedin.com/in/sneha-yadav-b589a1286

EDUCATION

- 2022 - Present
AMRITA SCHOOL OF
ENGINEERING, BANGALORE
 - CGPA: 9.34
- 2020 - 2022
NARAYANA, KARNATAKA
 - 13th State Rank
 - 12th Boards: 97.5%
- 2014-2020
NEW HORIZON SCHOLARS
SCHOOL, MUMBAI
 - 10th Boards: 95.6%

CLUB INVOLVEMENTS

- Vice President
ACM Student Chapter-ASEB
- Web Development Team Member
FACE (Forum for Aspiring
Computer Engineers) Club-
ASEB
- Executive
ACROM IEEE-RAS

MENTORSHIP

Volunteer Mentor, "Byte Battle" Hackathon

- Volunteered as a mentor for the "Byte Battle" Hackathon in a two-day event organized by Harvest Int. School, Bengaluru. Assisted participants with ideation, technical challenges, and project presentation, fostering creativity and collaboration.

Participant, Pratidhi Mentorship Program

- Selected for Commvault's exclusive mentorship program after a rigorous aptitude test. Successfully completed a two-month program (Sept-Nov), receiving training on both technical and non-technical aspects. Passed all evaluations and gained insights into professional development and technology applications.

LEADERSHIP AND EVENT MANAGEMENT

Vice President, ACM Student Chapter

- Organized and led an event on "Overleaf and AI Tools for Writing Research Papers". Delivered hands-on training for students across years (1st to 3rd) on using Overleaf for IEEE paper formatting and leveraging AI tools for efficient research writing. The event received positive feedback for its practical and academic relevance.

SOFT SKILLS

- Problem-solving
- Teamwork
- Time Management
- Adaptability

LANGUAGES

- English
(Professional working proficiency)
- Tamil
(Native proficiency)
- Hindi
(Professional working proficiency)

ACHIEVEMENTS

- Achieved 13th State Rank in 12th boards
- Achieved 8th Rank in school for 10th boards
- Represented CSE in Interdepartment Table Tennis Tournament

TECHNICAL SKILLS

Experience with

- Programming Languages: Python, Java
C++, C (basic)
- Database Management Systems: MySQL, MongoDB (basic)
- Concepts: Data Structures and algorithm, Object-oriented programming, Design and analysis of Algorithms, Operating System
- Courses: Machine Learning, Natural Language Processing (Basic)
- Web Development: HTML, CSS, Javascript, Flask (basic)
- Visualization tools: Tableau
- Worked with tools: Github, VSCode, Overleaf
- Basic knowledge on: Verilog, Keil, CAD, Arduino, Raspberry Pi, Cisco Packet Tracer

RESEARCH EXPERIENCE

- Research Paper: "Analysis and Implementation of Crypto currency Arbitrage Strategies: A Data Structures Approach" - ([ICEEICT 2024](#))
- Research Paper: "Automation of Subway Surfers using Finite State Machines" - ([NKCon 2024](#))
- Research Paper: "Predictive Analysis of Polycystic Ovary Syndrome (PCOS) Utilizing Machine Learning" - (Accepted ICADIE-2024)

CERTIFICATIONS

- Commvault Pratidhi - [Certificate of Completion](#).
- ByteBattle Hackathon Mentorship [certificate](#).
- Harvest Mentorship [Letter Of Recommendation](#).

Course certifications:

- CIR - Data Science and Machine Learning using Python course [certificate](#).
- Coursera - Introduction to Data Analytics Course [certificate](#).

HACKATHONS & COMPETITIONS

Participated actively in:

- Google Girl Hackathon (2024) - (qualified till second round)
- AI ARENA Overnight Hackathon conducted by IEEE-CIS (2024)
Team Lead - (secured 6th position)
- Smart India Hackathon (2023)
- ML Hackathon conducted by NSDC Club: National Student Data Corps (2024)
- ICPC Algo Queen (2022 & 2023)