Nishant

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Education

Indian Institute of Technology Hyderabad — Hyderabad, Telangana
Bachelor of Technology in Biomedical Engineering; CGPA: 8.20 — *Expected 2026*

Godwin Public Sr. Sec. School — Punjab
XII (CBSE); 92.20% — *2021*

Experience

Goldman Sachs — Hyderabad, India
Software Development Engineer (Summer Analyst) — *May 2025 – July 2025*

- Worked on a full-stack web application to replace a multistep manual deployment workflow for an internal monitoring service, changing lead time by ≈99.1% (from ∼3 weeks to ∼6 hours) via CSV edits, validations, approvals, and production rollout (React, Java, MongoDB, GitLab REST APIs).
- Designed an in-app CSV editor with AG Grid, schema-aware validation, and visual diffing that eliminated ≈ 95% of syntax and logical errors before submission, reducing approval back-and-forth and rework.

10xscale.in — Remote
Instructor — *Aug. 2024 – Apr. 2025*

- Taught Data Structures and Algorithms to 45+ students; covered theory and problem-solving lessons on topics such as Binary Search, Linked Lists, Binary Trees, and Graphs.

Projects

CPU Scheduling Algorithms Simulation | *C++* — Jan. 2025 – May 2025

- Developed CPU scheduling algorithms in C++, including First-Come First-Served, Round Robin, Priority Scheduling and Shortest Job First.
- Utilized queue data structures to implement scheduling logic and built a robust job scheduling and managing framework around these algorithms.

Comparative Analysis of Data Structures | *C++, BST, AVL, Hashing* — Aug. 2023 – Dec. 2023

- Implemented BST and AVL trees with hashing for efficient storage and retrieval of Aadhar numbers under Prof. Maria Francis and Prof. M.V.P. Rao.
- Evaluated the performance of insertion, deletion, and search operations to analyze time complexity trade-offs.

Achievements

- **LeetCode:** Solved 450+ questions
- **Codeforces:** Specialist (Max Rating: 1462)
- **Contribution in IITH Research Lab:** Hybrid Convolutional Bi-LSTM Emotion Recognition project

Technical Skills

Languages: Efficient in C, C++
Familiar with: Python, Java, JavaScript, SQL, FORTRAN, MATLAB, VERILOG, HTML, CSS
Libraries: NumPy, Pandas, Matplotlib, Seaborn
Developer Tools: Git, GitHub, GitLab, GitLab REST API, VS Code, Jupyter, PyCharm, IntelliJ IDEA, LaTeX

Relevant Courses

Computer Science: Introduction to Programming, Data Structures & Applications, Algorithms and DS Lab
Mathematics: Calculus, Linear Algebra, Probability, Statistics, Mathematical Modelling, Complex Variables
AI/ML: Intro to AI, AI in Biomedicine and Healthcare, (Online : Machine Learning , Deep Learning, NLP)

Leadership & Extracurricular

- **Office of Career Services:** Outreach Coordinator ('25 – '26), Internship Coordinator ('24 – '25)
- **Finance & Consulting Club:** Head of Operations ('24 – '25), Corporate Partnerships Coordinator ('23 – '24)
- **Teaching Assistant:** Data Structures and Algorithms Lab (2024)
- **National Cadet Corps:** Gold Medal, CATC (2018)
- **Vishwakarma Awards:** Participant, Maker Bhavan Foundation