Atharv Deshpande

Pune, India | atharvdeshpande92@gmail.com | +91-9322784177 | LinkedIn | Github

Education

SCTR's Pune Institute of Computer Technology, Pune, Maharashtra   June 2021 – June 2025

- BE Computer Engineering, GPA: 8.48

Experience

Project Intern, Infinity Pool, Pune-Pune   July 2024 – April 2025

- Worked on building a smart stock prediction system that combined BiLSTM and Liquid Neural Networks (LNN), using a mix of technical indicators, financial ratios, and even market sentiment to understand trends better.
- Helped the model reach an impressive 87% accuracy, making it a reliable tool for forecasting Nifty 50 and stock prices with real-world investment insights.

AI Intern, JMedia Corporation, Dallas-TX-USA   March 2024 – July 2024

- Developed backend and authentication systems for websites powered by Phoenix Labs, utilized by over 10,000 users, significantly enhancing overall security.

Research Project Intern, PICT, Pune – Pune   January 2024 – April 2024

- Built a deep learning model using VGG-16 and VGG-19 to classify MRI brain scans into four tumor severity levels, achieving around 78% accuracy

Skills

- Coursework: Data Structures and Algorithms (DSA), Data Science and Big Data Analytics, Object-Oriented Programming (OOP), Database Management Systems (DBMS), Operating Systems (OS), Computer Networks (CN), Machine Learning(ML)
- Programming Languages: C++, Python, Java(OOPS)
- Web Development: HTML, CSS, Javascript
- Databases: SQL
- Frameworks and Tools: Django, Flask, Bootstrap, Github, Firebase, Salesforce Cloud,Power BI
- Spoken Languages: English, Hindi, Marathi

Projects

- **Scanalyze**, Python
    - Developed an advanced TensorFlow-based ML model that removes backgrounds, detects edges, and classifies images with high accuracy.
    - It serves as a digital forensic tool by verifying image authenticity and detecting identical images using metadata analysis, pixel matrix comparison, and VGG model predictions.
    - This solution ensures reliable image authentication and showcases state-of-the-art computer vision capabilities.

- **Visual Algo**, C++   **[Live Demo]**
    - Developed a DSA visualization tool that provides interactive visual representations of CPU scheduling, searching, and sorting algorithms, enhancing algorithm comprehension and learning.

- **Listify**, Python   **[Live Demo]**
    - Created a Flask-based ToDo list application with user authentication, featuring a user-friendly interface that allows users to securely create, update, delete, highlight important tasks, and efficiently manage their task organization.

Certificates and Achievements

- **Certifications**
    - AI Essentials(Google), Cybersecurity foundation (Google), Java essentials(PICT)

- **Achievements**
    - Solved over 500 problems in Data Structures and Algorithms (DSA) and Competitive Programming, enhancing problem-solving skills and algorithmic thinking; also participated in various hackathons at both college and national levels.
    - Secured an All India Rank (AIR) of 13,000 in the 2021 counseling process, receiving admission offers from IIT Bhubaneswar and BITS Pilani.
    - Achieved Maharashtra State rank 18 in the Maharashtra Talent Search Examination (MTSE), and won gold and silver medals at district and school-level Olympiads.