

# Atharv Deshpande

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## Education

**SCTR's Pune Institute of Computer Technology (Pune University)** Pune, Maharashtra

June 2021 – June 2025

- BE Computer Engineering, GPA: 8.58

## Experience

**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.

**Project Intern**, Infinity Pool, Pune, Maharashtra, India

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.

**Research Project Intern**, PICT, Pune, Maharashtra, India

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.