

Atharv Deshpande

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Education

SCTR's Pune Institute of Computer Technology, Pune, Maharashtra

June 2021 – June 2025

- BE Computer Engineering, GPA: 8.40

Experience

AI Intern, JMedia Corp, Dallas-TX-USA - Remote

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

- Conducted research on MRI image classification using VGG-16 and VGG-19, achieving an accuracy of nearly 90%.

Active Member, PICT NSS, PICT CSI Student Branch – Pune, Maharashtra

June 2022 – Present

- Participated in and led various events for the NSS club, enhancing collaboration with NGOs and expanding the network.
- Organized and managed the IDEAZEST event during Xeniverse 2024, achieving a 15% increase in participation.

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++
 - Developed a DSA visualization tool that provides interactive visual representations of CPU scheduling, searching, and sorting algorithms, enhancing algorithm comprehension and learning.
- **Listify**, Python
 - 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)
- **Competitive Programming**
 - Solved over 500 problems in Data Structures and Algorithms (DSA) and Competitive Programming across various platforms, enhancing problem-solving skills and algorithmic thinking.
- **Hackathons**
 - Actively participated in various hackathons at both college and national levels, showcasing creativity and problem-solving skills
- **Achievements**
 - 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).
 - Achieved Gold Medal and secured School Rank 1 in the International Maths Olympiad, and earned a Bronze Medal in interschool debate competitions, showcasing strong mathematical abilities and exceptional vocabulary skills.