

Anirudha Pradumna Tiwari

📍 Pune, Maharashtra, India ✉ anirudhaptiwari@gmail.com 📞 9420466117 🌐 in/anirudhaptiwari 🌱 anirudhaptiwari.github.io/

SUMMARY

Aspiring software engineer with a strong foundation in Computer Science and Cyber Security. Proficient in Python, C++, and Java, with solid experience in Database Management Systems. Developed an open-source Document Integrity Checker project, showcasing expertise in cryptography, version control, and testing. Skilled in scaling applications to the cloud. Demonstrates adaptability to emerging technologies, strong debugging and troubleshooting abilities, and a passion for delivering well-tested, scalable software solutions.

EXPERIENCE

DBMS Peer Tutor

G.H. Raisoni College of Engineering & Management, Pune.

February 2024 – April 2024, Pune

- Conducted 2 tutoring sessions per week for 2nd year Computer Science and Engineering (Cyber Security) students.
- Covered comprehensive SQL topics: DDL, DML, DCL, database structure, constraints, functions (aggregate, numeric, date, string), set operations, and sub-queries.
- Improved students' average test scores from 9 to 13 out of 15, representing a 44% increase.
- Achieved an 8.4/10 satisfaction rating from tutored students in end-of-semester evaluations.

Object Oriented Programming (OOPS) Peer Tutor

G.H. Raisoni College of Engineering & Management, Pune.

September 2023 – November 2023, Pune

- Facilitated 2 weekly one-on-one tutoring sessions for 65 2nd year Computer Science and Engineering (Cyber Security) students.
- Designed and implemented a comprehensive curriculum covering Object Oriented Programming concepts using C++.
- Boosted students' average test scores from 7 to 11 out of 15, representing a 57% increase in performance.
- Garnered an 8.3/10 satisfaction rating from tutored students in end-of-semester evaluations.
- Assembled comprehensive study guides and resources for over 50 students, improving exam preparation efficiency by 30% and utilizing tools such as Quizlet and Google Docs for collaborative learning.

SKILLS

Industry Knowledge: Cloud, Analytics, Cybersecurity

Tools & Technologies: Google Cloud Platform (GCP), Python (Programming Language), C++ (Programming Language), Java (Programming Language), MySQL, HTML, CSS

Languages: English, Hindi, Marathi.

PROJECTS

Document Integrity Checker

github.com/anirudhaptiwari/Document-Integrity-Checker

- Developed an open-source application to verify document integrity, accumulating 10+ downloads on GitHub.
- Implemented advanced file system techniques and cryptographic algorithms, reducing false positives in alteration detection by 95%.
- Expanded file format support from 3 to 10 types, increasing the project's user base by 200% in 3 months.
- Key features developed: • Robust integrity verification process with 99.9% accuracy rate • Support for multiple file formats, including PDF, DOCX, and XLSX • User-friendly interface reducing average check time from 2 minutes to 30 seconds.
- Secured copyright protection while maintaining an open-source model, attracting 2 regular contributors.

EDUCATION

Bachelor of Technology – BTech, Computer Science Engineering (CYBER-SECURITY)

GH Raisoni College of Engineering and Management Pune • 2025 • 9.13 CGPA

Bachelor of Science – BS, Data Science and Applications

Indian Institute of Technology, Madras • 2026

CERTIFICATIONS

Build a natural language processing solution with Azure AI Language

Microsoft Learn • 2024

Build an Azure AI Vision Solution

Microsoft Learn • 2024

Generic Online Training Course in Cyber Security – Cyber Hygiene Practices

Ministry of Electronics and Information Technology • 2022