Aarsh Chaurasia

Software & Cybersecurity Enthusiast

Building secure software with cybersecurity expertise.

WORK EXPERIENCE

Login2Xplore, Indore(Remote)

Software Development And Testing Intern   Sep 2024 - Present

- Worked on the **Pluggable API** feature which lead a **30%** decrease in time to add new features tailored to clients need
- Worked on the **XArray Pool** feature which lead to a **22%** decrease in downtime and **34%** increase in efficiency of data storage for the company's JSONPowerDB product

Okynus Tech, Gandhinagar

Founder   Feb 2024 - Present

- Developed a new state of the art encryption algorithm which has reduced average local video **encryption time** by **30%**
- Turned the developed algorithm into **POC** while also applying for **IPR** and gained interests from investors.
- Incubated under **SSIP 2.0** Government of Gujrat

Florida International University

Summer Research Intern   Jun 2024 - Sep 2024

- I **co-authored** a research paper titled: "Navigating the Encryption Frontier: A Comprehensive Approach to Mobile Device Forensics Using Dynamic Analysis, AI, and Cloud-Based Techniques."

SCSDF, NFSU Under CMO Gujrat

Data Analytics Intern   Oct 2024 - Nov 2024

- Analyzed **real ration card data** from the state of Gujarat to identify anomalies, resulting in significant improvements in detecting and addressing fraudulent activities.

PERSONAL PROJECTS   Explore all 🔗

Secure Authentication Through Behavioural Metrics

- Built a biometric authentication system using keystroke dynamics with an ensemble voting classifier (SVM, KNN, Random Forest) achieving **95%** accuracy and **<5%** false positive rate. Implemented a dynamic threshold mechanism to enhance adaptability and reduce user rejection

StudySync - Academic Productivity Android Application

- StudySync is a feature-rich Android app designed to streamline academic workflows, offering secure login, real-time chat, organized notes, and quick access to papers and news. Developed with Java in Android Studio, StudySync has already gained **200** downloads and boasts a **85%** user satisfaction rating (in pilot), enhancing productivity for students.

CONTACT

- Gandhinagar and Mumbai
- +91 9833254304
- aarsh.chaurasia.201007@gmail.com
- GitHub
- LinkedIn

SKILLS

Android Development:

- Native Android Development
- REST APIs
- MVVM Architecture
- Java and Kotlin
- SDK
- Firebase

Programming:

- C++ , Python etc.
- Intermediate DSA

Cybersecurity:

- Cryptography
- Digital Forensics
- Ethical Hacking
- Vulnerability Assessment

Web Technologies:

- HTML , CSS
- JS, PHP

Cloud & Tools:

- GCP , AWS, Docker
- DBMS (MySQL, Oracle, MonogDB)
- Git/GitHub , SVN

EDUCATION

- B.Tech - M.Tech CSE with Cyber Security | National Forensic Sciences University (**MHA - GOI**), Gandhinagar | **2022-2027**

LANGUAGES KNOWN

- English
- Hindi