

# CHETALI BANDODKAR

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🔗 [ChetaliBandodkar](https://www.github.com/ChetaliBandodkar)

## Education

**Vellore Institution of Technology**

*Bachelors in Computer Science Engineering*

**Sep. 2021 – June 2025**

*Bhopal, India*

## Relevant Coursework

- Artificial Intelligence
- Cybersecurity
- Secure Systems
- Data Structures
- Networking
- Computer Architecture
- System Programming
- Full Stack Development
- Secure Coding Practices
- Reverse Engineering
- Entrepreneurial thinking
- Logic and system design
- Software Development
- Internet Technology
- Probabilistic Mathematics

## Experience

**The Globalizers**

*Technical intern*

**June 2024 – Present**

*Indore, India // In office*

- Responsible for the development of iOS and Android applications for the business while maintaining security protocols
- Created ML algorithms to ensure maximum learning rate in students by personalizing data feeding algorithms

**Fllink**

*Security Intern*

**Jan 2024 – April 2024**

*Bhopal, India // Part-time, in office*

- Orchestrated security assessments and regular checkups on local network and devices.
- Enhanced website functionality, boosting user satisfaction scores by 20% through optimized interface design.
- Maintained and created internal testing scripts and suites to check up on patches and vulnerabilities.

**VOIS for Tech Program, Connecting Dreams Foundation**

*Data Analytics and Power BI Intern*

**June 2024 – July 2024**

*Remote*

- Completed a virtual Data Analytics and Power BI internship under the AICTE and VOIS for Tech Program.
- Utilized Power BI to analyze complex datasets, providing actionable insights for data-driven decision-making.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.

**IBM SkillsBuild**

*Front End Development Intern*

**June 2024 – July 2024**

*Remote*

- Achieved a 6-week internship in Front End Development, gaining expertise through IBM SkillsBuild.
- Created and optimized responsive web pages using HTML, CSS, and JavaScript, improving user interaction and performance.
- Integrated dynamic components that enhanced site usability and accessibility.
- Collaborated effectively with team members to complete key projects, delivering high-quality web solutions.
- Implemented industry standards for front-end development, ensuring project success and maintaining code quality.

**Avi Trading Company**

*Security Intern*

**April 2022 – April 2023**

*Indore, India // Part-time, in office*

- Enforced industry standard security protocols for cyber safety.
- Performed vulnerability testing to ensure the viability of existent architecture.
- Implemented industry standard financial exchange protocols for fast and safe fund transfers.
- Ensured proper storage and disposal of company secrets while educating employees on good cybersecurity practices.

## Research work

**Secure Federated Learning for Collaborative Intrusion Detection Systems**

**December 2024**

- Published in a SCOPUS indexed journal, Nanotechnology Perceptions Vol.20,S16 ISSN: 1660-6795. Linked [here](#)

**Building Resilient AI-enabled Detection Systems for .NET Threats**

**December 2024**

- Published in a SCOPUS indexed journal, Nanotechnology Perceptions Vol.20,S16 ISSN: 1660-6795. Linked [here](#)

**Cryptographic Protocol Design for Cloud Environments**

**December 2024**

- Published in a SCOPUS indexed journal, Nanotechnology Perceptions Vol.20,S16 ISSN: 1660-6795. Linked [here](#)

## Projects

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**Peepapp** | *Decompiling, Android Security, Privacy*

**September 2024**

- \* Developed a full-scale python library to decompile android apps and determine using code signatures the invasive permission and access each app has over devices.

**Amazon-frontend-clone** | *chetalis-amazon-clone.vercel.app*

**July 2024**

- \* **Developed** an Amazon-inspired web application using React, Tailwind CSS, and Redux, enhancing user experience and interface.

**Meowlinter** | *SAST, Lexical Tokenization, Secure programming, Cybersecurity*

**May 2024**

- \* **Developed** a static analysis tool specifically designed to identify potential security vulnerabilities in C/C++ source code. Enabling users to perform code patching and vulnerability assessment simulations.

**Attack-ml** | *Python, Classification, Machine learning, Packet-deconstruction*

**April 2024**

- \* **Developed** a machine learning pipeline for preprocessing network data, including data cleaning, balancing, preprocessing, and analysis complete with active sniffing for all existing protocols, ensuring comprehensive network monitoring.

**GoodSniffer** | *Networking, Python, WinAPI, Packet-deconstruction*

**November 2023**

- \* **Conceptualized** and developed GoodSniffer, a packet sniffer that surpasses Wireshark in its capabilities with advanced features to capture all types of headers and data in hex, raw, and ASCII formats.

## Technical Skills

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**Languages:** Python, C/C++, HTML/CSS, Java, C, HTML/CSS, JavaScript, SQL

**Developer Tools:** VS Code, Eclipse, Google Cloud Platform

**Technologies/Frameworks:** Linux kernel, Bash scripting, Git/GitHub, OSINT, Red and blue teaming technologies

## Certifications

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**EC-COUNCIL CEH - Certified Ethical Hacker - Chetali Bandodkar, ECC6850234971**

(<https://aspen.eccouncil.org/Verify>)

**The Bits and Bytes of Computer Networking** (<https://coursera.org/share/e4732f3bbcf303520d8770fe894b1f92>)

**Google Cybersecurity Professional** (<https://coursera.org/share/8f241f6de8479fb5690f20b6ee3e8ea3>)

**Foundations of User Experience (UX) Design** (<https://coursera.org/share/f7aec1d7424b87cd256864a41bd4e9e0>)

**NPTEL Blockchain and it's applications**

(<https://archive.nptel.ac.in/noc/Ecertificate/?q=NPTEL24CS15S105760082430449309>)

## Leadership / Extracurricular

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**Codecademy**

**December 2021 – April 2022**

*Technical Lead*

- \* Led a team of 55 volunteers to grow the VIT Bhopal University chapter of Codecademy into India's largest and Asia's 3rd largest community.
- \* Collaborated with Codecademy staff to host bootcamps, troubleshoot technical issues, and ensure the smooth functioning of the website.
- \* Invited guest speakers from industry and academia to share their expertise with the community.

**APOLLO: UI/UX Design Club**

**December 2021 – July 2024**

*President*

- \* Established the club as a platform for students to explore and develop their UI/UX design skills.
- \* Organized seminars and workshops led by industry professionals from Adobe, Swiggy, and Figma to provide students with real-world insights and best practices.
- \* Conducted design competitions and game jams to foster creativity, innovation, and problem-solving abilities among students.
- \* Collaborated with other student organizations to promote interdisciplinary projects and showcase student work.

**CyberWarriors - CyberSec Enthusiasts Club**

**February 2022 – July 2024**

*Vice-President and co-founder*

- \* Co-founder of the on-campus cybersecurity enthusiasts club.
- \* Organized events and educational bootcamps for juniours to gather insights from upperclassmen.
- \* Managed club members, curriculum for bootcamps and workshops.
- \* Created educational content and secured samples in sandboxes.
- \* Managed VMs, recorded results, propagated findings.