

# PRIYANSHU PRIYAM

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## EDUCATION

### B.Tech in Computer Science and Engineering

VIT Bhopal University, Bhopal

Expected 2026

CGPA: 8.67/10

## TECHNICAL SKILLS

**Languages:** Python, Java, C++, Kotlin

**Web:** HTML, CSS, Flask

**Database:** MySQL, OracleDB, MongoDB

**Tools/Libraries:** Pandas, Numpy, Matplotlib, Scikit-Learn, Git/GitHub

## PROJECTS

### DocDispatch | [LINK](#)

Android Developer, Backend Developer

In Progress

- Architecting an Android-based medical support platform enabling patients to report symptoms and health conditions via OTP-based authentication, capable of reliably serving 1M+ verifications per month.
- Developing a scalable backend to manage regional segmentation of healthcare data, allowing for efficient retrieval of 1K+ registered patient records with minimal latency.
- Designing dynamic role-based dashboards for patients and healthcare providers, enabling real-time triaging, prioritization, and resolution of cases while reducing manual case allocation time by 50%.

### TOTP Desktop Authenticator | [LINK](#)

Developer

July 2025

- Built a Tkinter-based desktop application to generate and copy TOTP codes directly on a computer, reducing average authentication time by 50% compared to mobile retrieval.
- Integrated AES-256 encryption to securely store TOTP secrets, ensuring 100% encrypted-at-rest storage and mitigating unauthorized access risks.
- Implemented a dual-factor decryption mechanism requiring both a PIN and passkey, hashing credentials and improving security resilience against brute-force attacks by nearly 90%.

### Fraud App Detection | [LINK](#)

Android Developer, Flask Developer

Feb 2025

- Engineered an Android application that programmatically parses the Manifest XML of installed apps to detect suspicious or excessive permission usage, scanning 50+ apps in under 5 seconds per device.
- Built a Flask-powered backend server capable of processing 1,000+ user-reported apps daily and returning live predictions for clickbait or malicious behavior with an accuracy of 92% using trained models.
- Visualized analyzed permissions using custom UI elements, delivering real-time alerts that reduced false positives by 18% and improved user trust ratings by 25%.

## RELEVANT COURSEWORK

- DSA, Operating Systems, DBMS, Computer Networks, OOPs, Parallel and Distributed Computing, Data Science, Cyber Security, Statistics, Web Development

## ACHIEVEMENTS

- Achieved a perfect score of **100/100** in the High Performing Coding Course in Data Science on iamNeo platform.

## PERSONAL DETAILS

**Languages:** Hindi, English, Maithili

**Soft Skills:** Communication, Teamwork, Problem Solving, Time Management

**Interests:** Algorithms, Android, Open Source, Cyber Security