Priyanshu Priyam

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Education

B.Tech in Computer Science and Engineering   Expected 2026
VIT Bhopal University, Bhopal   *CGPA: 8.67/10*

Technical Skills

Languages: Python, Java, C++, Kotlin

Web: HTML, CSS, Flask

Database: MySQL, OracleDB, MongoDB

Tools/Libraries: Pandas, Numpy, Matplotlib, Seaborn, Keras, VS Code, Git/GitHub, Android Studio

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