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, Scikit-Learn, Git/GitHub

Projects

DocDispatch | LINK
Android Developer, Cloud-Backend Developer   **In Progress**

- Architected an Android healthcare platform enabling patients to report conditions via OTP-based authentication, designed to handle $1M+$ secure verifications monthly with robust reliability and low-latency data processing.
- Developed a scalable backend for healthcare data segmentation, supporting retrieval of $1K+$ registered patient records efficiently, improving system performance, accessibility, and minimizing query latency across regional clusters.
- Designed role-based dashboards for patients and providers, streamlining triaging, prioritization, and resolution, reducing manual case allocation time by 50%, and improving healthcare delivery efficiency significantly.

TOTP Desktop Authenticator | LINK
Windows App Developer   **August 2025**

- Built a Tkinter-based desktop suite (TOTP Authenticator & QR Tool) enabling OTP generation, copying, and secure QR encryption, reducing authentication time by 50% versus mobile authenticator apps.
- Integrated AES-256 encryption with OS-level credential storage, guaranteeing 100% encrypted-at-rest protection, while dual-factor decryption (PIN+passkey) improved brute-force resilience by 90% for critical authentication secrets.
- Implemented GitHub-based backup/restore with fine-grained tokens, providing encrypted credential portability across devices, ensuring secure synchronization, zero-knowledge access, and seamless cross-environment usability for authentication data.

Fraud App Detection | LINK
Android Developer, Flask Developer   **Feb 2025**

- Engineered an Android app scanning 50+ installed apps in under 5 seconds each, parsing Manifest XML to detect excessive permissions and potential fraudulent behavior programmatically.
- Developed a Flask backend processing 1,000+ user-reported apps daily, returning live predictions for malicious or clickbait behavior with 92% accuracy using trained machine learning models.
- Visualized analyzed permissions using interactive UI elements, delivering real-time fraud alerts, reducing false positives by 18%, and improving user trust ratings by 25% significantly.

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.
- Achieved A grade in Cyber Security Analyst Course on IBM-Adroit platform.

Personal Details

Languages: Hindi, English, Maithili

Interests: Algorithms, Android, Open Source, Cyber Security