

Jahnvi Menon

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PROFESSIONAL SUMMARY

Software Engineer at Bank of America with 1.5+ years automating workflows in Python/Node.js. Saved 30+ team-hours/week via JIRA & release automation. Built ML antivirus (99.4% accuracy) and QKD-blockchain system. 200+ problems solved on LeetCode — DSA, Backend, Full-Stack.

TECHNICAL SKILLS

Languages: Python, TypeScript, Java, C++, Go
Frameworks: Django, Node.js, Express, React
Tools & Concepts: REST API, Git, JIRA, SQL, OOP, DSA (200+ LeetCode)
Databases: PL/SQL, NoSQL (MongoDB)

EXPERIENCE

Software Engineer-1

July 2024 – Present

Bank of America

Hyderabad, India

- Automated JIRA ticket creation across team space using Python + REST API → saved 15+ hours/week of 2 team members.
- Built central database sync system (Python + SQL) from multiple sources → eliminated 5 hours of manual updates.
- Reduced release coordination effort by 90% via Node.js automation across 4 engineering teams and stakeholders.
- Maintain secure password management system syncing backend + database across applications.
- Developed Java-based audit report generator with validation logic to streamline compliance.

PROJECTS

QKD + Blockchain Data storage System | *Python, Solidity, web3*

January 2024 – Present

- Quantum-safe encryption layer on AES with QKD was simulated.
- Stored the encrypted Data on a blockchain system for ensuring centralized and transparent storage
- GitHub:** github.com/jm-memon/QKD-Blockchain-Security-System

Secure Contact Manager | *Express.js, JWT, MongoDB, REST API*

September 2025 – Present

- Built full-stack app with secure user auth and encrypted contact storage on cluster
- Allows user to edit, create and deletes their contacts once registered
- GitHub:** github.com/jm-memon/Contacts-App

ML-Based Behavioral Antivirus | *Python, Scikit-Learn, Pandas*

December 2022 – Present

- Best performing one, from a list of configured ML algorithms is tested and identified.
- This algorithm is then used to identify signature of selected file is malicious
- Had around 99.4% success of detecting malware and malicious batch files
- GitHub:** <https://github.com/jm-memon/ML-Based-Antivirus>

EDUCATION

Vellore Institute of Technology

Chennai, India

B.Tech in Computer Science and Engineering, Specialization in Cyber Physical Systems

October 2020 – August 2024

LEADERSHIP & ACTIVITIES

Curator

Aug 2021 – Jun 2022

TEDx VIT Chennai Chapter

Chennai, India

- Organized talks for 500+ attendees.

Head of Department

Jan 2021 – May 2022

Literary Society

Chennai, India

- Spearheaded the society's podcast, mentored juniors, and organized literary events.

Electrical Engineering Department Member

Jul 2020 – May 2021

Shaurya Racing (Student F1 Team)

Chennai, India

- Built a telemetry system for the race car to monitor real-time performance data.