

# Jahnavi 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

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

## EXPERIENCE

### Software Engineer-1

*Bank of America*

July 2024 – Present

*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-menon/QKD-Blockchain-Security-System](https://github.com/jm-menon/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-menon/Contacts-App](https://github.com/jm-menon/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-menon/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

*Chennai, India*

*TEDx VIT Chennai Chapter*

- Organized talks for 500+ attendees.

### Head of Department

Jan 2021 – May 2022

*Chennai, India*

*Literary Society*

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

### Electrical Engineering Department Member

Jul 2020 – May 2021

*Chennai, India*

*Shaurya Racing (Student F1 Team)*

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