

# Jahnavi Menon

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## PROFESSIONAL SUMMARY

Software Engineer at Bank of America with 1.5+ years building backend automations in Python/Node.js that save 30+ team-hours/week. Specialized in workflow automation (JIRA, CI/CD, release coordination), full-stack development, and applied ML/cryptography projects (99.4% accurate behavioral antivirus, QKD-blockchain system). 200+ LeetCode.

## 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), ETL, CI/CD
<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 a centralized system automating a Release Activities including email notifications, epic creation and more.
- 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.

## AWARDS

### Silver Global Recognition Award

*Bank of America*

November 2025

- Awarded to me by my managers for my technological contributions, that created size-able shift-in the productivity of my squad and adjacent engineering teams in how to the company in 2025

## 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

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

Chennai, India

CGPA: 8.69