

# VEDANT BOTHIKAR

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## EDUCATION

### Georgia Institute of Technology

Master of Science – Computer Science (MSCS) – GPA: 4/4

August 2024 – December 2025

Atlanta, Georgia

### Pune Institute of Computer Technology

Bachelor of Engineering – Computer Engineering – GPA: 9.69/10

July 2019 – June 2023

Pune

## WORK EXPERIENCE

### Salesforce

Software Engineer Intern

May 2025 – Present

San Francisco, California

- **Patent Approved:** Developed and patented an AI Agent for automatic guided creation of Salesforce Agentforce agents via predictive path planning and conversational flow design.
- Developing an **AI Agent** to automate the Layer 7 DDoS threat defense service and enhance the Web Application Firewall (WAF) for internal Salesforce organizations using **MCP Server**, DataCloud, and AWS S3.

### Georgia Tech - Data Center

Software Engineer - Student Assistant

September 2024 – May 2025

Atlanta, Georgia

- Deployed and configured **LINUX** (Ubuntu 22, 24 and RHEL 8, 9) on **Virtual Machines** and desktops for research labs.
- Utilized **SaltStack** and **Red Hat Virtualization** for configuration management, and **Cobbler** for OS deployment.
- Migrated the legacy database system to a new one based on the open-source Snipe-IT asset management system.
- Optimized **Python** scripts for automation tasks, system monitoring, & troubleshooting in the data center environment.

### MasterCard

Software Development Engineer - 1 (full-time)

June 2023 – August 2024

Pune

- Debuted the Payment Passkey service allowing secure biometric payment transactions for **1M+** shoppers (View Here).
- Designed system flows and developed **REST API** endpoints for integrating 3-domain secure authentication.
- Implemented services using **Java 11** and **Spring Boot**, and used **SQL** on **OracleDB** to manage database operations.
- Managed dependencies with **Gradle**, performed CI/CD operations with **Jenkins**, and generated API docs with Swagger.
- Proposed and developed a simulator service using **Mockito** to mock externally dependent authentication services.
- Reduced the **API** testing suite execution time by an average of 40% by migrating from Serenity to Karate framework.

### Azodha

Software Development Engineer - 1

March 2022 – June 2023

Pune

- Built a Telemedicine software in **Node.js** with video-conferencing ability and integrated a **Socket.io** chat system.
- Implemented a scheduler service in **JavaScript** and **GraphQL** with appointment and user management features.
- Managed a team of 4 backend engineers, overseeing the software lifecycle, project deliverables, and code quality.
- Launched a 3rd generation Chrome Extension in **React.js** and a web app acting as the replica of the mobile software.

## PERSONAL PROJECTS

### Quick Permit - Permission Software | Node.js, MongoDB, Express.js

October 2022 – May 2023

- Launched software to approve permission requests from 600+ college students to professors for conducting workshops and seminars. Digitized the existing paper-based system by creating a Node.js server using the **MongoDB** database.

### Content Evaluation Using Natural Language Processing

August 2022 – May 2023

- Engineered an automated grading system combining 7 distinct content similarity and evaluation NLP models.
- Devised an algorithm to assign weights to ML models and integrated with a **Python Flask** web app with OCR.
- Resulted in more than 25% time reduction compared to the manual evaluation of assignments for final year students.

## TECHINICAL SKILLS

**Programming Tools and Languages** – C++, Java, Python, JavaScript, TypeScript, C, SQL, HTML, and CSS

**Web Frameworks & Libraries** – Spring Boot, Node.js, React.js, Express.js, Redux, GraphQL

**Databases** – MongoDB, MySQL, and Cloud Firestore

**Developer Tools** – Git, AWS, Docker, PCF, Linux, JSON, Webpack, XML, Agile, and Cloudflare Workers