

# VEDANT SHYAM BOTHIKAR

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## EDUCATION

### Georgia Institute of Technology

Master of Science in Computer Science (MSCS) – (Incoming Graduate Student)

August 2024 – June 2026

Atlanta, USA

### Pune Institute of Computer Technology

Bachelor of Engineering (B.E.) – Computer Engineering – GPA: 9.69/10

July 2019 – June 2023

Pune, India

## INDUSTRY EXPERIENCE

### Mastercard

June 2023 – Present

Software Engineer - 1, Digital Authentication Services Team

Pune, India

- Developed and managed a simulator service from scratch to mock external dependencies of the authentication services.
- Designed architectural system flows and developed **API** endpoints for integrating 3-domain secure authentication.
- Migrated the testing suite from Serenity to the **Karate** framework and coded end-to-end testing of API endpoints.

Software Engineer - 1, Mastercard Checkout Services Team

- Worked on the Merchant Validation system to verify merchant authenticity and communicated with stakeholder banks.
- Defined models and system flows to authenticate payments through customers' personally identifiable information.
- Utilized **Java** and **Spring Boot** for developing backend services and **Oracle DB** with **SQL** to manage database operations.

### Azodha

March 2022 – June 2023

Team Lead, Open Telemedicine Software

Pune, India

- Managed a team of 5 engineers, overseeing the software lifecycle, project delivery, and maintaining code quality.
- Introduced Telemedicine software with video-conferencing ability in **Node.js** and integrated a **Socket.io** chat system.

Backend Engineer, Scheduler and other Open-Source Softwares

- Developed an appointment booking and user management system for a scheduler service in **Typescript** and **GraphQL**.
- Handled the web version independently by developing a mobile replica and a Chrome Extension using React.js library.

### Atomic Loops | Blockchain Developer Intern

January 2022 – March 2022

- Composed smart contracts in Solidity using **Web3.js** and **Ganache** libraries and deployed them to Infura service.
- Created the MVP for an NFT application of a popular TV show and set up test chains for their blockchain network.

### Bolstart | Software Developer Intern

March 2021 – May 2021

- Launched a Form-Builder software to create customized forms using **React.js** frontend library and **MySQL** database.
- Enhanced session duration of app users by eliminating the need to switch between platforms for surveys and polls.

## PERSONAL PROJECTS

### Content Evaluation Using Natural Language Processing

August 2022 – May 2023

- Engineered an automated grading system through extensive research on content-evaluation techniques in NLP.
- Devised an algorithm to dynamically assign weights to ML models and built a **Flask** web app with OCR capabilities.
- Installed the grader in the Computer Department and graded the assignment papers of final year students.

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

October 2020 – May 2021

- Launched software to approve permission requests sent by 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.

## ACCOMPLISHMENTS

- ZS Associates Hackathon:** Selected among India's top 100 from 1500+ competitors for solving technical case studies.
- University Rank 3:** Ranked 3rd in the Computer Department for academic excellence in the final year of undergrad.

## TECHINICAL SKILLS

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

**Web Frameworks** – React.js, Node.js, Spring Boot, Express.js, Redux, GraphQL, Bootstrap, and Material UI

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

**Developer Tools** – Git, PCF, VS Code, IntelliJ IDEA, Docker, and Cloudflare Workers