VEDANT SHYAM BOTHIKAR

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EDUCATION

Georgia Institute of Technology   **August 2024 – May 2026**
Master of Science in Computer Science (MSCS) – (Specializing in Computing Systems)   *Atlanta, USA*

Pune Institute of Computer Technology   **July 2019 – June 2023**
*Bachelor of Engineering (B.E.) – Computer Engineering – **GPA: 9.69/10***   *Pune, India*
Relevant Coursework: Data Structures & Algorithms, Machine Learning, Operating Systems, Network Security

INDUSTRY EXPERIENCE

Mastercard   **June 2023 – August 2024**
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.
- Reduced the API testing suite execution time by an average of 40% by switching from Serenity to Karate framework.

Software Engineer - 1, Mastercard Checkout Services Team
- Defined models and system flows to authenticate payments through customers' personally identifiable information.
- Coded with Java 11 and **Spring Boot** to develop backend services and **SQL** with **OracleDB** for database operations.
- Delivered the merchant validation service performing checks on 30+ PII parameters with stakeholder bank approvals.

Azodha   **March 2022 – June 2023**
Team Lead, Open Telemedicine Software   *Pune, India*
- Managed a team of 4 backend engineers, overseeing the software lifecycle, project deliverables, and 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
- Introduced an appointment booking and user management system in **Typescript** and **GraphQL** for a scheduler service.
- Released the web version by developing a mobile replica and a 3rd generation Chrome Extension using React.js.

Atomic Loops | *Blockchain Developer Intern*   **January 2022 – March 2022**
- Composed smart contracts in Solidity using **Web 3** and **Ganache** libraries and deployed these to Infura service.
- Created the MVP for an NFT application of a popular TV show and set up test chains for the blockchain networks.

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.
- Incremented user's session duration by a peak of 120 sec by eliminating platform switching for surveys and polls.

PERSONAL PROJECTS

Content Evaluation Using Natural Language Processing   **August 2022 – May 2023**
- Engineered an automated grading system as a combination of 7 distinct content similarity & evaluation NLP models.
- Devised an algorithm to dynamically assign weights to ML models and built a **Flask** web app with OCR capabilities.
- Resulted in more than 25% time reduction when compared to manual evaluation of assignments for final year students.

Quick Permit - Permission Software | *Node.js, MongoDB, Express.js*   **October 2020 – May 2021**
- 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.

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.

TECHINCAL SKILLS

Programming tools and Languages – C++, JavaScript (ES6), Java, GoLang, Python, C, SQL, HTML, and CSS
Web Frameworks – React, Node, Spring Boot, Express.js, Redux, GraphQL, Bootstrap, and Material UI
Databases – MongoDB, MySQL, Cloud Firestore, PostgreSQL, and Oracle DB
Developer Tools – Git, AWS, Docker, PCF, Linux, JSON, Webpack, XML, Agile, and Cloudflare Workers