SIDDHARTH BHAMARE +1 (312) 404-0290

</> portfolio/siddharth github/siddharthbhamare linkedin/siddharthbhamare ✉ sbhamare1@hawk.iit.edu

Education

Illinois Institute of Technology, Chicago, Illinois — **GPA: 4.0/4.0**
Master of Computer Science — *Aug. 2024 – May 2026*

Watumull Institute of Electronics Engineering and Computer Technology, Mumbai — **GPA: 9.51/10.0**
Bachelors of Engineering in Computer Engineering (University Gold Medalist) — *Jun. 2019 - May 2023*

Work Experience

Application Developer | IBM, Mumbai — **Aug 2023 - Aug 2024**

- Orchestrated the migration of a legacy application to a cloud-native architecture using Spring Boot and React, boosting system efficiency by 30% and reducing operational costs by 20%.
- Championed the shift to Event-Driven Microservices, integrating Jenkins, which enhanced user experience and drove a 25% increase in user satisfaction.
- Directed a team of 6 members in implementing a micro-frontend architecture, facilitating independent development and deployment of UI components for increased agility.

Full Stack Developer | Sahu Technologies, Mumbai — **May 2022 - Aug 2022**

- Crafted dynamic web pages using Elementor and WordPress, leading to a 15% increase in website traffic.
- Coordinated a team of 3 in adopting Agile SDLC with Atlassian JIRA, improving project tracking and ensuring timely milestone delivery.
- Developed backend modules and integrated custom APIs, boosting trade execution speed by 30% and enhancing overall system efficiency.

Projects

Price Tracer | Full Stack development | *Spring Boot, Java, React, HTML, CSS, JavaScript* ↗ — **Aug 2022 - Nov 2022**

- Built a MERN stack web application enabling users to monitor product prices and receive personalized alternative product recommendations, enriching their e-commerce experience.

HTTP Web Server | System Development | *Python, JavaScript, HTML. CSS* ↗ — **Jan 2021 - Mar 2021**

- Constructed an HTTP/1.1 compliant web server, implementing essential HTTP methods like GET, POST, PUT, DELETE, and HEAD based on RFC 2616.

Stocker (Stock Management) | Application Development | *Python, KivyMD, Buildozer, BautifulSoup* ↗ — **Oct 2020**

- Designed an application to track stock values, integrating real-time data scrapers and secure authentication, with an added feature for daily gain summaries.

Publication

Translating the unspoken Deep learning approaches to Indian Sign Language recognition. ↗ — **IEEE**

- Engineered a proprietary machine learning model optimized for real-time hand gesture detection in video streams, achieving a 95% accuracy rate.
- Utilized Google Mediapipe Coordinates for validation, which contributed to winning the Best Paper Award and demonstrated a 30% improvement in sign language recognition accuracy.

Enhancing Deepfake Image Detection with Deep Convolutional Neural Networks. ↗ — **IEEE**

- Advanced deepfake image detection accuracy by implementing Convolutional Neural Networks (CNN).
- Optimized model architecture, significantly improving deepfake image identification and reducing false positives.

Technical Skills

Languages: SQL, Python, Java, C, C++
Tools: Git/GitHub, Unix Shell, Node.js, Webpack, VS Code, IntelliJ IDEA, JIRA, Agile Methodologies, LaTeX
Frameworks: Spring Boot, React, Flask, JUnit, Material-UI, RestAPI
Domain: Databases, Operating Systems, OOP, DSA, Computer Networking, Data Science

Certification

Goldman Sachs - FintTech Engineering Program ↗ — Goldman Sachs
Machine Learning ↗ — Standford University
Problem Solving & Python Programming ↗ — Hackerrank