

Vedantini Gaikwad

Boston, MA || gaikwad.ve@northeastern.edu || (857) 313-0508 || [LinkedIn](#) || [GitHub](#)

Dedicated and result-oriented Software Engineer with 2+ years of professional experience designing and implementing high-performing object-oriented software solutions. Possessing proficiency in **Agile** methodologies instrumental in delivering clean, efficient code for **back-end** micro-services and **front-end** user interfaces.

EDUCATION

Northeastern University | Boston **Sep 2022 - May 2024**
Master of Science in Software Engineering Systems **GPA: 3.69/4.00**
Relevant Courses: Object-Oriented Design, Program Structure and Algorithms, User Experience Design, Data Science

Cummins College of Engineering | India **Jun 2016 - May 2020**
Bachelor of Technology in Electronics and Telecommunication Engineering
Relevant Courses: Data Structures, Java Full Stack Technologies, Operating Systems, Cloud Computing, C Programming

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript, C, SQL
- **Web Technologies:** Node.js, React.js, HTML, CSS, JSON, Servlet, REST API, Java AWT, numpy, pandas
- **Software/Tools:** IntelliJ, Visual Studio Code, GitHub, BitBucket, JIRA, Confluence, Artillery, Microsoft Office suite
- **Certifications:** Google UX design Professional Certificate, IBM Full Stack Software Developer, Python – NPTEL

PROFESSIONAL EXPERIENCE

Software Engineer | HSBC Technology | Java, Node.js, RESTful API **Sep 2020 - Aug 2022**

- Collaborated with team lead and product manager to build **RESTful APIs** for supplying data from **PostgreSQL** database to **JavaScript** front-end to automate scheduling of patching process, reducing required time by **80%**
- Optimized implementation of Smart Serve web portal to automate identity verification process of high-risk corporate customers, decreasing onboarding time with simplified process stipulating 3 steps and saving up to \$128k
- Pioneered creation of micro-service using **Node.js** and **Artillery** tool to perform load-testing of Smart Serve portal
- Designed dashboard on **Grafana** to monitor database performance and notify team of abnormal usage patterns
- Resolved critical production bugs within **9 hours**, reducing downtime by **60%** and improving customer satisfaction

Embedded Software Intern | SPJ Embedded Technologies | Python, IoT **Jul 2019 - Nov 2019**

- Coordinated with another intern to develop printer model by connecting **Raspberry Pi** to laser printer and processing input data to trigger print command when one page is filled, eliminating need for manual intervention
- Engineered an **IoT**-based Data Logger for data transmission to **ThingSpeak** platform, increasing efficiency by **25%**
- Achieved substantial decline of nearly **90%** in errors through execution of hardware testing on **RFID** sensors

ACADEMIC PROJECTS

Day Care Project | Java, JavaScript **Nov 2022 - Dec 2022**

- Created a data management application using **Java AWT**, **Swing**, and **MVC** architecture enabling CRUD operations
- Deployed a highly responsive web application leveraging **JavaScript** and **React.js** for a seamless user experience

Age Detection & Amazon Review Analysis | Python, TensorFlow **Nov 2022 - Dec 2022**

- Generated an age detection algorithm with machine learning and **deep learning** techniques, achieving **57%** accuracy
- Performed web scraping of **5000** Amazon product reviews and utilized Bag of words and Part-Of-Speech approach to extract features for training a balanced NBC model to analyze sentiment of reviews

Contact & Networking Application | Java, React.js **Sep 2020 - Oct 2020**

- Led development of a web application with servlet and React.js framework, allowing secure communication
- Implemented confidentiality and protection of user data by incorporating JSON Web Tokens (JWT)

LEADERSHIP & VOLUNTEER EXPERIENCE

General Board Member | Rotaract | Pune, MH, India **Aug 2020 - Aug 2022**

- Planned **15** events and provided **300+** hours of community service. Raised **\$20,000** for 3 successful donation events