**YASHRAJ MOTE**

[LinkedIn](https://www.linkedin.com/in/yashrajmote/) | [ymote@rockets.utoledo.edu](mailto:ymote@rockets.utoledo.edu) | [GitHub](https://github.com/yashrajmote)

**SKILLS**

* **Languages:** Java, C#, Python, C++, JavaScript, TypeScript
* **Frameworks and Libraries:** Spring Boot, Angular, React, Next.js, Tailwind CSS, Material-UI
* **Databases & Tools:** MySQL, PostgreSQL, MongoDB, Firebase
* **DevOps and Cloud:** Docker, GitHub Actions, AWS (S3, Lambda), Git, CI/CD
* **Other Tools:** Kafka, Jenkins, Jira, Sanity CMS, Jasmine (Unit Testing)

**WORK EXPERIENCE**

**Abhitech Energycon Limited,** *Toledo, OH* **May 2024 – Dec 2024**

***Full Stack Software Engineer Intern***

* Developed a Gain/Loss Dashboard for coal power plants using **Angular** and **TailwindCSS**, helping users identify and act on data patterns contributing to monthly operational losses.
* Built an **ETL** pipeline with **Apache** **Kafka** to extract data from **SAP** into **MySQL**, improved query speed by **50%** with indexing.
* Implemented **Docker** for containerization and integrated with **GitHub** **Actions** for **CI**/**CD** pipeline. Leveraged **AWS** **S3** to store large volumes of SAP data and **AWS** **Lambda** to automate data processing, **reducing** manual intervention.

**Crown Equipment,** *New Bremen, OH* **August 2023 – Dec 2023**

***Full Stack Software Engineer intern***

* Developed an internal invoicing application using **Angular**, **Typescript** and designed **RESTful** **APIs** in **Spring Boot, Java** to reduce invoice processing time by **90%.** Built a reusable Radio Button List component to improve form input UX across the invoice app.
* Utilized **SQL** **queries** and **stored** **procedures** to process large datasets within the invoicing platform, resulting in **50%** **faster** financial reporting.
* Implemented **Unit** **Tests** using **Jasmine** to validate Angular components, identified critical edge-cases and performed debugging, achieving a **95%** **test** **coverage**.
* Collaborated with cross-functional teams in the Software Development Life Cycle in an **Agile/Scrum** environment, performing Code Review and QA through **Jira**-based workflows, and maintained **technical documentation**.

**Technochrafts,** *remote* **January 2023 – July 2023**

***Software Engineer intern***

* Developed a secure cross-platform registration and login system using **Java** and **Spring** **Boot** to create **RESTful** **APIs**. Integrated **OAuth** **2.0** **JWT** authentication using **Spring** **Security** to ensure session management.
* Designed and implemented a responsive, user-friendly webpage using **HTML**, **CSS**, and **JavaScript**, ensuring cross-browser compatibility. Configured and managed the web server with **NGINX** to enhance performance, load balancing, and server-side caching.
* Implemented a **CI**/**CD** pipeline using **GitLab** **CI** for automated testing, integration, and deployment. Deployed containerized applications to **AWS** via **AWS** **Elastic** **Beanstalk** for simplified deployment and auto scaling of app.

**PROJECTS**

**ML Intern – Anonymous Insurance Company**

* Built an automated **MLOps** using **Docker** and **MLFlow** to retrain and evaluate XGBoost models on insurance datasets. The pipeline optimized model performance, reduced tuning time by 25%, and seamlessly handled updates for datasets exceeding 10 million rows.

**Headstarter Fellowship – Pantry Tracker App** |Next.js, React, Firebase

* Developed a web-based inventory system using Next.js and Firebase, implemented real-time updates and item categorization using **Firestore listeners.**

**Headstarter Fellowship – AI Customer Support**

* Built a real-time AI-powered chat assistant using **OpenAI** **API** and **Next.js**, backed by **AWS** **Lambda** and **WebSockets** to handle 10K+ concurrent requests with <200ms latency.

**EDUCATION**

***University of Toledo****,**Toledo, OH*

Bachelor of Science Degree Recipient | GPA – 3.3 | Major: Computer Science Engineering

Honors and Awards: Dean’s List (2020 – 2022), UToledo Rockets Scholarship, Engineering Scholarship