Sandesh Bharambe

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# Technical Skills

**Languages**: Java, Python, C++, JavaScript HTML, CSS

**Frameworks**: React, Node.js, Django, Flask

**Operating Systems**: Unix/Linux, Windows

**Other**: SQL, NoSQL, RESTful APIs, Machine Learning, Data Structures

**Tools**: Git, Docker, Kubernetes Microsoft Visual Studio

# Education

**Savitribai Phule Pune University** June 2024

*Master of Computer Applications*

**North Maharashtra University** August 2022

*B.Sc. Computer Science*

79.70

# Projects

**Crop Prediction and Yield Pricing |** *Django, Python, Machine Learning, HTML, CSS, Git, PostgreSQL*

* Implemented end-to-end machine learning solutions for crop prediction and yield pricing, utilizing Python, Jupyter Notebooks to analyze and model agricultural data, achieving accurate and actionable insights.
* Major focus on digitalizing the way the agriculture system works in India. Crop prediction based on the previous

year’s farming data e.g.- land, region, atmosphere etc.

* Led a project in crop prediction and pricing, employing Python and Scikit-learn to analyze CSV datasets provided by the government, ensuring accurate insights without cloud or IoT dependencies

**Distributed File System |** *Java, Apache Kafka, Zookeeper*

* Developed a fault-tolerant distributed file system using Java and Apache Kafka to ensure high availability and reliability of data storage across multiple nodes
* Improved data access speed improved data access speed by 30% and reduced downtime by 50%.
* Implemented core functionalities for data replication and failure recovery, significantly enhancing system robustness.

**Real-Time Chat Application***|* Node.js, WebSocket, MongoDB

* Enabled real-time messaging with low latency for up to 1000 concurrent users.
* Designed and implemented the WebSocket-based communication protocol, enabling real-time updates and efficient message handling.

# Training and internships

**Software Development Intern***|*

Kalyani Maxion Wheels, Pune

-Developed APIs in Python for the company’s new product line.

- Collaborated with a team of 4 members to integrate APIs with front-end applications.

- Improved the performance of approval operations by 75%.

**Full Stack Development** *|*

- Learned Java along with DSA, Learned SQL and built projects

# Extracurricular Activities

* Coding, Yoga, Problem Solving, Playing Cricket