

Ozair Nurani

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EDUCATION

Iowa State University

BS Software Engineering — **GPA: 3.70**

Ames, IA

08/22 – 05/26

EXPERIENCE

Software Engineering Intern

06/25 – 08/25

Target

Minneapolis, MN

- Built **Backstock Recommendation Pipeline** reducing inconsistent backroom item placement by **15–25%**, improving efficiency and speeding up stocking for 2,000+ stores.
- Developed Stores Replenishment Pick Worklist Pipeline revealing "lost sales" from delayed cart returns, unlocking **\$12–14M incremental sales** and pulling forward **\$27–32M** through faster shelf replenishment.
- Migrated legacy v2 data pipeline to Kelsa v3 architecture using **Scala, Spark, Kafka, and Hadoop**, enhancing data processing speed by **40%** for enterprise-scale retail systems.

Software Engineering Intern

05/24 – 08/24

Thompson Solution Groups

Sioux City, IA

- Created touchscreen application for Smart Pendant using JavaFX framework, achieving **20% increase** in user interaction time during testing phases.
- Engineered UI enhancement improving **object sorting accuracy by 30%**, enabling staff to handle **50% more inventory** within same operational hours.

Software Engineering Intern

01/24 – 05/24

Mind Homes

Denver, CO

- Managed change management process for **25% of total website content** and orchestrated redesign process with design team.
- Developed high-fidelity prototypes in **Figma** garnering positive feedback from **200+ users** in testing sessions and increased team visibility by **50%** through weekly presentations to senior leadership.

PROJECTS

Dinder | *TypeScript, Node.js, PostgreSQL, Google Cloud*

08/25 – Present

- Building a Tinder-style food discovery platform with a TypeScript + Node.js backend, PostgreSQL database, and Google Cloud services

Palletizer Software | *Java, JavaFX, API, Sockets, Linux, Apache, Yaskawa*

05/24 – 08/24

- Developed JavaFX-based touchscreen application for Yaskawa Smart Pendant, resulting in **20-30% enhanced operational efficiency** for robot arms, impacting **15+ companies** in shipping processes.
- Created APIs and socket communication facilitating seamless data exchange between user inputs and robotic actions, **reducing error rates by 15%**.
- Built UI allowing users to **configure robotic movements, specify pickup locations, and set pallet configurations, improving user satisfaction by 25%**.

Code Crafters | *React, MongoDB, JavaScript, HTML, CSS, Express.js Node.js*

01/24 – 04/24

- Crafted interactive full-stack educational platform using Node.js and MongoDB for backend operations with frontend react
- Developed engaging curriculum mirroring W3Schools' approach, leveraging DOM manipulation for immersive learning experience.

Sketchy Business | *Java, SQL, WebSockets, REST APIs, XML, Android*

08/24 – 12/24

- Developed a real-time multiplayer drawing and guessing game with Android frontend using XML layouts and Java, integrating WebSockets for live chat, drawing synchronization, and party management.
- Engineered backend REST API controllers (Users, Parties, Words, Reports) with SQL database integration to handle CRUD operations, user authentication, word prompts, and admin moderation features.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, Scala, C, SQL, HTML/CSS, Embedded C, Verilog, TypeScript

Frameworks/Libraries: React, Node.js, Spring Boot, JavaFX, Vue

Big Data/Cloud: Spark, Kafka, Hadoop

Databases: MongoDB, MySQL, SQL Server, PyMongo

Tools: Git, Figma, Bootstrap