Ozair Nurani

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EDUCATION

Iowa State University   Ames, IA
Bachelor of Science in Software Engineering   GPA: 3.70   *Aug. 2022 – December 2025*

EXPERIENCE

Software Engineering Intern   June 2025 – Aug 2025
Target   *Minneapolis, MN*
- Migrated a legacy v2 data pipeline to a Kelsa v3 architecture using **Scala**, **Spark**, **Kafka**, and **Hadoop**, improved data processing by **40%** and improving reliability across **2,000+ stores**.
- Developed and optimized ETL jobs processing **millions of records daily**, enhancing visibility into inventory and pricing for the Front of Stores platform.
- Operating in Agile Sprints working on Jira Tickets , and leveraged Target's internal tools to support pipeline success

Software Engineering Intern   May 2024 – Aug 2024
Thompson Solution Groups   *Sioux City, IA*
- Spearheaded the creation of an intuitive touchscreen application for the Smart Pendant using the JavaFX framework, enhancing user engagement and satisfaction; achieved **a 20% increase in user interaction** time during testing phases.
- Engineered a UI enhancement that **improved object sorting accuracy by 30%,** significantly reducing manual sorting time and enabling staff to **handle 50% more inventory** within the same operational hours.

Software Engineering Intern   January 2024 – May 2024
Mind Homes   *Denver, CO*
- Managed the change management process for **25% of total website content**.
- Orchestrated a redesign process with the design team that improved overall user experience and aesthetic appeal; developed high-fidelity prototypes in Figma, which garnered positive feedback from over **200 users** in testing sessions.
- Increased visibility of the team's impact by 50% through weekly user story presentations to senior leadership.

Software Engineering Intern   June 2023 – August 2023
Cyclone Engineering Labs   *Ames, IA*
- Researched models on blood glucose concentrations for patients.
- Developed a relational database and monitored website performance regarding various glucose levels for the Biomedical
- Gained **90% in ROI** through my research, which continues to be utilized for ongoing projects, demonstrating the long-term impact and value of my contributions.

PROJECTS

Palletizer Software| *Java, JavaFX, API, Sockets, Linux, Apache, Yaskawa*   May 2024 – August 2024
- Achieved the development of a JavaFX-based touchscreen application for the Yaskawa Smart Pendant, resulting in **20-30% enhanced operational efficiency** for Yaskawa robot arms, impacting **over 15 companies** in their shipping processes under my internship for Thompson Solution Groups.
- Created APIs and socket communication to facilitate seamless data exchange between user inputs and robotic actions, enabling precise control over box picking and pallet placement, **reducing error rates by 15%.**
- Built a UI that allows users to configure robot movements, specify pickup locations, set pallet layers and box counts, and visually designate placement positions on the pallet, leading to an **intuitive and fully touch-based user experience and improving user satisfaction by 25%.**

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, JavaScript, HTML/CSS, Embedded C, Verilog, Scala
Frameworks: React, Node.js, SpringBoot, JUnit, Vue, FastAPI, JavaFX, Swing, MySQL, PyMongo, Spark, Kafka
Developer Tools: Git, Visual Studio, IntelliJ, Eclipse, Code Composer, Figma, Bootstrap, MongoDB