

Zain Bharde

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EDUCATION

Texas A&M University - B.S. Data Engineering & Computer Science Minor | GPA: 3.6

Relevant Coursework: Deep Learning, Principles of Data Science, Database Systems, Program Design, Data Structures & Algorithms

TECHNICAL SKILLS AND CERTIFICATIONS

Languages and Technologies: Python, Java, Go, C++, JavaScript, TypeScript, Junit, Mockito, QuarkusReact, Next.js, SQL

Cloud and Tools: Claude Code, Cursor, Google Cloud Platform, AWS, Supabase, Docker, Git, Vercel, OpenAI API, Stripe API

Certifications: [Claude Code in Action](#) [MySQL Cert](#), [Exploring Data with Looker](#), [How Google Does Machine Learning](#)

PROFESSIONAL EXPERIENCE

The Home Depot

Atlanta, GA

Software Engineer

Jun 2026 – Present

- Sourcing Core team

Dematic

Grand Rapids, MI

Software Development Engineer Intern

May 2024 – Jun 2026

- Increased autonomous robot storage selection accuracy by 25% by developing pallet storage logistics software for optimal container selection
- Implemented 10+ Nocobase data interfaces enabling warehouse operators to manage device control system data, reducing manual data entry time across insert, update, and delete operations

The Home Depot

Atlanta, GA

Software Engineer Intern

May 2025 – Jul 2025

- Improved P95 API response times by 90% and cut cloud costs by 50% by migrating core sourcing service from Java to Go
- Optimized system performance by reducing memory usage 35x and CPU consumption by 40% on average across load levels
- Delivered project 1 week early and presented final readout to 100+ associates including executives, managers, and engineers

Texas A&M University

College Station, TX

Undergraduate Research Assistant

Jan 2024 – May 2024

- Developed a Python script achieving 1.38% error in image distortion removal and contributed to a C++ visual odometry pipeline, improving feature tracking accuracy for autonomous navigation research

CLOUDSUFI

Houston, TX

Data Engineering Intern

Aug 2023 – Jan 2024

- Explored Google Cloud Platform data engineering services including Cloud Cortex Framework for SAP and Looker, earning certifications in Google Analytics, Looker, and machine learning

PROJECTS

Aggie AI

[Live](#)

- Built Aggie AI serving over 1,500 active users using RAG-based AI, web search functionality, and PostgreSQL to provide natural language course recommendations based on Texas A&M course GPA distributions and professor reviews
- Developed Python data pipeline with automated PDF extraction and web scraping to collect and process academic data and professor reviews, integrating results into optimized PostgreSQL database schema

Umari

[Live](#)

- Deployed Umari, a web-based ordering platform built with Next.js and Supabase that enables small food vendors to accept orders via shareable links or QR codes, processing 150+ transactions in production
- Developed full-stack SaaS architecture with real-time order management, Stripe Connect payouts, and a responsive UI using Radix UI and Framer Motion

MoodSort

[Live](#)

- Developed MoodSort, a full-stack AI playlist curation app using Next.js, Supabase, and Spotify Web API that generates personalized playlists from a user's existing liked songs library via natural language vibe descriptions and seed songs