

# Zain Bharde

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## EDUCATION

**Texas A&M University** - B.S. Data Engineering & Computer Science Minor | GPA: 3.5 Expected May 2026  
Relevant Coursework: Deep Learning, Principles of Data Science, Database Systems, Program Design, Data Structures & Algorithms

## TECHNICAL SKILLS AND CERTIFICATIONS

**Languages and Frameworks:** Python, Java, Go, C++, JavaScript, React, Next.js, Tailwind CSS, SQL

**Cloud and Tools:** Claude Code, Cursor, Google Cloud Platform, AWS, Docker, Git, OpenAI APIs, Stripe API, LangGraph, Twilio

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

## PROFESSIONAL EXPERIENCE

**Dematic** Grand Rapids, MI  
Software Development Engineer Intern May 2024 – Present

- Developed pallet storage logistics software to enable autonomous mobile robots to select optimal storage containers, resulting in 25% improvement in selection accuracy
- Implemented 10+ interfaces using Nocobase, enabling warehouse operators to efficiently update, insert, and delete data from device control system database

**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
- Presented DinoV2's impact on feature tracking for visual odometry at A&M Science Symposium to a non-technical audience

**CLOUDSUFU** Houston, TX  
Data Engineering Intern Aug 2023 – Jan 2024

- Deployed Google Cloud Cortex Framework for SAP and developed Looker dashboards for intuitive data visualization
- Acquired expertise in data engineering, complemented by certifications in Google Analytics, machine learning, and Looker

## PROJECTS

**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 over 50 transactions
- Developed a full-stack SaaS system with real-time order management and Stripe Connect payouts, delivering a responsive, production-ready UI using Radix UI and Framer Motion

**Aggie AI** [Live](#)

- Built Next.js platform serving over 1,000 active users using RAG-based AI 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

**Great Smiles** [Github](#)

- Architected AI dental agent using FastAPI, OpenAI Whisper, ElevenLabs TTS, and Twilio with LangGraph state management to automate patient calls intake through multi-agent flows with React.js patient call information dashboard

**Personal Website** [Live](#)

- Developed professional portfolio website using HTML, CSS, and JavaScript to showcase experience, projects, and resume with responsive design and optimized user experience
- Deployed via Vercel to ensure scalable hosting, content delivery, and reliable uptime