

Sharar Ohee

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EDUCATION

University of Houston

Bachelor of Science in Computer Science; Minor in Mathematics

Houston, TX

Expected Fall 2026

EXPERIENCE

Software Engineering Intern

IpserLab

June 2025 – Sep. 2025

Remote - Houston, TX

- Scaled Review API functionality by doubling endpoints, enhancing system flexibility, and accelerating feature development using Java 18, Spring Boot, Spring MVC, and Spring Security.
- Enhanced review retrieval by tripling query dimensions and optimizing controller logic in Spring Data MongoDB for improved performance and resource utilization.
- Boosted business-customer engagement by 3x through a bidirectional review system built in Spring Boot.
- Achieved 100% reliability on 10+ new features, by writing unit and integration tests with JUnit 5 and Mockito.
- Applied agile and SDLC principles to code reviews and design documentation, driving higher project quality and team effectiveness.

AI and Automation Extern

Outamation

June 2025 – Aug. 2025

Remote - Houston, TX

- Built an AI system that automatically classifies and analyzes mortgage documents, achieving >90% accuracy across 5+ document types
- Enabled document search and Q&A using RAG with HuggingFace and LlamaIndex
- Built a GPU-accelerated NLP pipeline (Mistral 7B, OCR, PyMuPDF) achieving >95% classification accuracy
- Improved model performance by 20% through prompt optimization and intelligent document chunking

PROJECTS

NAVI - Hackathon Winner | *Next.js, Node.js, REST APIs, OAuth, Google APIs*

Oct. 2025

- Designed a full-stack aggregation platform that unified calendar, email, and notification data from multiple third-party services.
- Implemented Model Context Protocol (MCP) as a secure middleware layer to orchestrate data exchange between external services, enabling scalable integrations without storing user credentials.
- Built RESTful APIs that exposed MCP-processed data to a cross-platform frontend, supporting real-time summaries and task recommendations.

informal. - Alif x Replit Hackathon | *Next.js, TypeScript, Node.js, PostgreSQL, Gemini API*

Jan. 2026

- Engineered a full-stack AI travel application leveraging LLM-based recommendation logic and dynamic frontend interfaces.
- Developed at the invite-only Alif x Replit hackathon in San Francisco, competing with top builders worldwide to deliver a production-ready prototype under time constraints at the Founders, Inc. headquarters.

Zoo Database Management System | *AWS, React.js, MySQL, Node.js, Vite.js*

Aug. 2024 – Dec. 2024

- Led a team of 5 developers to create a Full Stack Zoo Management System with CRUD operations for animals, employees, exhibits, ticketing, and retail items, leveraging an AWS-hosted MySQL database.
- Built A Dynamic Web Application using React and Node.js, integrating RESTful APIs to manage Real-Time Data and Providing Streamlined Role-Based Access Control
- Designed A Relational Database Schema with advanced MySQL features like triggers, stored procedures, and soft deletes for comprehensive data handling.

TECHNICAL SKILLS

Languages: Java, Python, C++, JavaScript, SQL (PostgreSQL, MySQL), HTML, CSS

Frameworks & Libraries: Spring Boot, React, Next.js, Node.js, Express, PyTorch, HuggingFace, LlamaIndex

Databases & Cloud: MongoDB, PostgreSQL, MySQL, Firebase (Firestore/Auth), AWS

Tools & Testing: Git, GitHub, Docker, Maven, JUnit 5, Mockito, Postman, VS Code

AI/Data Processing: PyMuPDF, OCR, Google APIs