

# Shazeb Wani

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## EDUCATION

### Georgia Institute of Technology

Bachelor of Science in Computer Science GPA: 4.0/4.0

Atlanta, GA

Expected Graduation Dec. 2026

### Relevant Coursework

Object-Oriented Programming, Data Structures & Algorithms, Objects & Design, Database Systems

## EXPERIENCE

### Software Engineer Intern

Hachi LLC

Jan. 2025 – July 2025

Harrisonburg, VA

- Engineered in-meeting analytics for a Zoom App, visualizing engagement, talk time, and participation balance across 100+ participants, and collaborated with design/product teams to deliver sub-second refresh latency.
- Integrated Zoom SDK for real-time rendering while implementing secure authentication with Zoom OAuth and Google Sign-In, supporting 200+ active accounts and ensuring robust data privacy.
- Developed REST APIs for analytics and added Redis caching, reducing repeated queries by ~70% under high concurrency and enabling scalable, fault-tolerant performance.

### CTO

Atlob (Startup)

May 2025 – Present

Atlanta, GA

- Led development of a QR-based ordering and payments platform using React, Node.js/Express, and MySQL, with real-time features through WebSockets and Firebase.
- Implemented PCI-compliant payments, JWT auth, and CI/CD pipelines; integrated AWS S3, Twilio, and SendGrid to ensure scalability and secure operations.

### Research Fellow & Merit Scholar Recipient

Algoverse

July 2024 – Present

Remote

- Designing reproducing hybrid pipeline merging human jailbreak prompts (Shen et al.) with automated attacks (PAIR, GoAT), achieving double-digit gains in Attack Success Rate across benchmark evaluations.
- Defined metrics including ASR, query efficiency, and edit distance, validated on 10k+ adversarial queries using HarmBench, ensuring rigorous and reproducible comparisons.

### Machine Learning Engineer

InspiratAI

Jan. 2023 – Mar. 2023

Remote

- Built a VGG-16 pneumonia detection model with 92% accuracy on 5k+ X-rays, applying augmentation and normalization to strengthen generalization and reduce false negatives by 15%.
- Optimized inference with quantization and batching, cutting latency from 200ms to 50ms per image and enabling real-time deployment in diagnostic settings.

## PROJECTS

### Univo (Startup) | React (Vite), Node.js/Express, Firebase, Stripe

May 2025 – Present

- Developed a campus marketplace with role-based auth, REST APIs for listings, carts, and orders, and secure server-side validation, integrating Firebase Realtime Database for synchronization and data persistence.
- Integrated Stripe Checkout with webhook flows to handle payments and refunds, validating 100+ test transactions with PCI-compliant processing and automated reconciliation.

### Funeral Service Web App (Masjid Al-Farooq) | React, Flask, SQLite, Heroku

Oct. 2024 – Feb. 2025

- Built a full-stack app for intake and management of funeral service requests with validation, role-based access, SQLite persistence, and an admin dashboard supported by a REST backend.
- Deployed to Heroku with automated builds, config, and monitoring, sustaining 99.9% uptime during pilot use.

## TECHNICAL SKILLS

**Languages:** Java, JavaScript/TypeScript, Python, SQL, HTML/CSS, C, C++, R, MATLAB

**Frontend:** React, React Native, Vite, Next.js, Redux, Expo, TailwindCSS, Bootstrap

**Backend:** Node.js, Express, Flask, Django, FastAPI, GraphQL, REST APIs, Webhooks, Auth (JWT/OAuth)

**Databases:** PostgreSQL, MySQL, SQLite, Firebase Realtime DB, MongoDB, DynamoDB, Elasticsearch, Redis

**Data/ML:** NumPy, Pandas, PyTorch, TensorFlow/Keras, scikit-learn, Hugging Face, Kaggle, Matplotlib, Seaborn

**Infra/Tools:** Git, Docker, AWS (EC2, S3, Lambda), GitHub Actions, Vercel, Heroku, Firebase Admin SDK, Stripe

**Practices:** Data Modeling, Caching, Experimentation, CI/CD, Testing, Security, Agile/Scrum, Version Control