

# Shazeb Wani

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## Education

### Georgia Institute of Technology

Atlanta, GA

*Bachelor of Science in Computer Science GPA: 4.0/4.0*

*Expected Dec. 2026*

- **Concentrations:** Information Internetworks & Artificial Intelligence
- **Relevant Coursework:** Object-Oriented Programming, Data Structures & Algorithms, Database Systems

## Work Experience

### Hachi LLC

Harrisonburg, VA

*Software Engineer Intern*

*Jan. 2025 – Jul. 2025*

- Built post-meeting analytics dashboard for Zoom App with sub-second refresh latency scaling across 100+ active users
- Integrated Zoom SDK and OAuth authentication into workflow, securely managing sensitive data for 200+ active accounts
- Optimized backend services with REST APIs and Redis caching layers, significantly reducing repeated request overhead

### InspiritAI

Leesburg, VA

*Machine Learning Intern*

*Jan. 2023 – Mar. 2023*

- Developed a CNN pipeline for pneumonia detection classification, achieving 92% accuracy across diverse lung scan datasets
- Applied preprocessing and enhanced batching strategies to greatly reduce latency by 75%, optimizing inference performance
- Collaborated with technical advisors to deploy the trained model within a diagnostic demo environment for healthcare apps

### Automated Algorithm Design VIP, Georgia Tech

Atlanta, GA

*Undergraduate Researcher*

*Aug. 2025 – Present*

- Exploring genetic algorithms and genetic programming with DEAP to study regression tasks and optimization strategies
- Experimenting with datasets such as Titanic while building benchmarking pipelines for evaluating algorithm performance
- Investigating methods to evolve hybrid algorithms that combine human-designed techniques with machine-driven innovation

## Projects

### Atlob (Startup)

Dubai, UAE

*CTO (Full Stack)*

*Jul. 2025 – Present*

- Secured \$500,000 investment to launch an AI-driven QR-based ordering platform, enabling seamless customer transactions
- Implemented PCI-compliant payment processing, JWT authentication, and automated CI/CD pipelines to enhance reliability
- Integrated AWS S3 for scalable media storage and Twilio APIs for messaging, supporting high availability across deployments

### Univo (Startup)

Atlanta, GA

*CTO (Full Stack)*

*May 2025 – Present*

- Developing campus marketplace app with React Native and Node.js, featuring listings, carts, search, and secure authentication
- Integrating Stripe Checkout with Express.js webhooks to handle payments, handoff, refunds, and transaction verification
- Leveraging Firebase Realtime Database and TypeScript APIs for synchronized state, persistence, and scalable data handling

### Funeral Service Web App

Atlanta, GA

*Technical Lead*

*Oct. 2024 – Feb. 2025*

- Developed a full-stack web application for funeral service management, streamlining logistics for a local mosque community
- Implemented input validation, role-based access control, and a RESTful backend with SQLite to ensure reliability and security
- Deployed on Heroku with continuous monitoring, achieving 99.9% uptime and supporting families throughout the pilot program

## Extracurriculars

### Algoverse Research Fellowship

Atlanta, GA

*Research Fellow*

*Jul. 2025 – Present*

- Researching adversarial robustness by combining DAN jailbreak strategies with automated pipelines like PAIR and GoAT
- Building benchmark pipelines with PyTorch, HarmBench, and more to measure attack success, efficiency, and transferability

### Muslim Student Association

Atlanta, GA

*Finance Principal*

*Dec. 2024 – Present*

- Oversee financial planning, vendor payments, and funding requests to ensure sustainable operations for 240 active members
- Work hand-in-hand with treasurer to manage budgets, calculate expenses, and allocate funding for 300+ attendee events

### Muslim Tech Collaborative

Atlanta, GA

*Tech Lead*

*Oct. 2024 – Present*

- Contribute to the nationwide MTC program project helping design a comprehensive mobile app serving US Muslim communities
- Lead development of community-focused tech solutions like an OpenEMR medical record system for a local mosque's clinic

## Technical Skills

<b>Programming</b>	Java, JavaScript/TypeScript, Python, SQL, HTML/CSS, C++, MATLAB, LC3
<b>Frameworks</b>	React, React Native, Next.js, Redux, TailwindCSS, Expo, Django, Express, Node.js, NumPy, Pandas, Seaborn
<b>Systems</b>	PostgreSQL, MySQL, MongoDB, SQLite, Firebase, Redis, AWS, Docker, Git, Github Actions
<b>Practices</b>	Data Modeling, Caching, CI/CD, Testing, Security, Agile/Scrum, Version Control, Responsive Design