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

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

Atlob (Startup)   **Dubai, UAE**
CTO (Full Stack)   *Jul. 2025 – Present*
- Creating a QR-based ordering platform for restaurants and hotels with seamless transactions directly from customer devices
- 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

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

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