

## Summary

📞 +1 (925) 819-4160 ✉️ [tushink04@gmail.com](mailto:tushink04@gmail.com) 🌐 [dextron04.in](https://dextron04.in)

Recent Computer Science graduate (GPA: 3.95) with extensive backend development experience through 4+ internships at fast-growing startups. Proven expertise building scalable backend services using modern frameworks including Go, Node.js, Python, and PostgreSQL. Strong foundation in data structures, algorithms, and distributed systems with a track record of shipping clean, testable code and iterating quickly based on real-world feedback.

## Experience

### SellWizr

June 2025 – Present

*Software Engineer Intern*

*New York, NY*

- Built enterprise CRM backend microservices in Golang with Docker containerization, reducing deployment time by 40% and improving system scalability through modern framework implementation and clean code practices.
- Developed complex AI workflow system using Go and Python, shipping features quickly with 60% performance improvement through efficient algorithms and real-time data processing capabilities.
- Implemented comprehensive testing strategies achieving 98% code coverage with testable, maintainable backend architecture, demonstrating strong foundation in software engineering principles and rapid iteration cycles.

### Site Service Software

Aug 2024 – Apr 2025

*Software Engineer Intern (Backend Focus)*

*San Francisco, USA*

- Spearheaded backend migration from legacy systems to modern Spring Boot/PostgreSQL stack, achieving 40% performance improvement through efficient database design and optimized query patterns for scalable backend services.
- Developed 20+ RESTful APIs using Java and PostgreSQL with comprehensive validation and testing, reducing response times by 30% through clean, efficient code and data structure optimization techniques.
- Implemented secure authentication systems with OAuth 2.0 and JWT, reducing vulnerabilities by 85% while maintaining fast development cycles and iterative improvement based on production feedback.

### MeetX

Feb 2025 – Apr 2025

*Backend/ML Engineer Intern*

*Bengaluru, India*

- Built production-ready recommendation system backend using Python and PostgreSQL, serving 50K+ concurrent users with 95% accuracy through efficient algorithms and scalable data processing architecture.
- Developed machine learning inference pipelines with Python frameworks, improving system performance by 60% through optimized backend services and real-time data processing using modern development practices.
- Implemented high-performance ML model serving infrastructure with clean, testable Python code, demonstrating ability to ship quickly while maintaining code quality and system reliability at scale.

### Glitter Fund

Jan 2023 – Dec 2023

*Backend Developer Intern*

*San Francisco, USA*

- Led backend development for Django-based financial platform using Python and PostgreSQL, integrating external APIs and maintaining 99.9% uptime through robust backend architecture and efficient code practices.
- Engineered real-time data processing algorithms deployed on AWS with modern frameworks, optimizing system latency by 30% through clean backend implementation and performance-focused development approaches.
- Implemented Redis caching and database optimization strategies using PostgreSQL, improving response times by 45% under high load through efficient backend design and scalable system architecture.

## Projects

### Dex Pay - Payment Backend System (Next.js, PostgreSQL, TypeScript)

- Built complete UPI payment system backend from scratch with PostgreSQL database design, implementing secure transaction processing, real-time payment validation, and RESTful API architecture serving educational fintech platform.
- Developed clean, efficient backend services with comprehensive testing for payment flows, VPA management, and QR code authentication, demonstrating strong foundation in scalable backend development and modern frameworks.
- Implemented robust backend architecture with TypeScript and database optimization, showcasing ability to ship production-quality code quickly while maintaining clean, testable, and maintainable backend systems.

### AI-Powered Job Matching Backend (Python, Machine Learning, APIs)

- Engineered comprehensive backend system using Python with data processing pipelines, implementing efficient algorithms for job-candidate matching and resume analysis with clean, modular code architecture.
- Built scalable backend services with external API integrations including LinkedIn scraping and Google Gemini LLM, demonstrating ability to work with modern frameworks and ship features based on real-world requirements.
- Developed high-performance data processing backend using pandas and numpy optimization, processing large datasets efficiently with testable Python code and iterative improvements based on system feedback.

### SafeWalk - Real-Time Backend Services (Node.js, Express, APIs)

- Architected real-time backend system using Node.js and Express with external API integrations, implementing efficient data processing for 911 data feeds and Google Maps integration with scalable architecture design.
- Built comprehensive backend services with WebSocket real-time communication and PostgreSQL database integration, demonstrating strong foundation in modern backend frameworks and clean code practices.
- Implemented performant backend algorithms for route scoring and threat detection with efficient data structures, showcasing ability to build scalable systems that process real-time data with optimal performance characteristics.

## Skills

**Programming Languages:** Go, Python, JavaScript, Node.js, Java, C, C++, SQL, TypeScript

**Backend Frameworks:** Express.js, Django, Flask, Spring Boot, RESTful APIs, Microservices, OAuth 2.0, JWT

**Databases & Systems:** PostgreSQL, MySQL, MongoDB, Redis, AWS, Docker, Distributed Systems, WebSocket

**Development Practices:** Data Structures & Algorithms, Clean Code, Test-Driven Development, Git, Agile, Performance Optimization

## Education

### San Francisco State University

Expected Fall 2025

*Bachelor of Science in Computer Science — GPA: 3.95/4.0 — Phi Beta Kappa Honor Society*

*San Francisco, California*

**Relevant Coursework:** Data Structures & Algorithms, Database Systems, Distributed Systems, Software Engineering, Operating Systems, Computer Networks, Machine Learning

**Academic Achievements:** Dean's List (All Semesters), Top 5% of CS Program, Honor Society Member