

# Nevin P. Kalloor

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## EDUCATION

### Texas A&M University

B.S Computer Science (Honors) | GPA: 4.0 | Junior by credit

College Station, Texas

Expected Graduation: May 2028

- **Concentrations:** Artificial Intelligence, Machine Learning, Data Science, Software Engineering, Systems & Simulation
- **Related Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Statistics & Applications, Computer Organization & Programming, Discrete Mathematics, Calculus III, Web Development

## TECHNICAL SKILLS

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

**Frontend Technologies:** React, React Native, Vite, Responsive Design, Web Performance Optimization, Modern Web Standards

**Backend & APIs:** Node.js, Express, Flask, FastAPI, RESTful API Design, Microservices Architecture

**Databases & Cloud:** PostgreSQL, Firebase, AWS, Google Cloud Platform, Prisma ORM

**Tools & Practices:** Git/GitHub, Agile/Scrum, Test-Driven Development (TDD), CI/CD, Docker

## TECHNICAL PROJECTS

### Zeropoint

College Station, Texas

Startup Software Project

Sep 2025 – Present

- Built performant, scalable REST API using Node.js/TypeScript backend with React Native frontend for accessibility platform storing wheelchair user specifications, achieving sub-200ms response times through optimized API design, caching strategies, and efficient data handling
- Designed and implemented PostgreSQL database schema using Prisma ORM with 90%+ test coverage, applying test-driven development practices to ensure code quality and maintainability at scale
- Architected AI-powered voice transcription system integrating OpenAI API to automate care information entry, reducing manual data processing time by 80% and enabling real-time intelligent data extraction for wheelchair handling specifications

### AggieSeek

College Station, Texas

Student-Led Software Project

Aug 2024 – Dec 2024

- Built highly scalable REST API infrastructure using Flask and Firebase serving 1,000+ active users, architecting endpoints to handle high-volume concurrent requests with sub-300ms response times
- Collaborated with frontend team using React to integrate multiple API specifications, designing clear API contracts and comprehensive documentation for seamless service integration
- Implemented robust error handling and validation patterns, writing clean, maintainable code reviewed by 10-member engineering team following Agile methodologies

### Sales Prediction Model

Houston, Texas

Machine Learning Research Project

Apr 2025 – May 2025

- Developed production-grade ML pipeline using TensorFlow and scikit-learn, processing 50,000+ customer records and achieving 85% improvement in predictive accuracy
- Optimized data processing workflows using Python and SQL, reducing pipeline runtime by 35% through algorithmic improvements and efficient data structures
- Performed comprehensive data analysis using Pandas and NumPy, creating visualizations with Matplotlib

## ACTIVITIES AND LEADERSHIP

### Aggie Coding Club

College Station, Texas

Member

Aug 2024– Present

- Contributed to full-stack web applications using React, Node.js, and TypeScript in collaborative Agile environment
- Improved team development workflow efficiency by 30% through standardized Git strategies and Docker containerization
- Participated in code reviews and pair programming sessions to continuously grow and master engineering craft

### TAMU Datathon

College Station, Texas

Front End Developer

Nov 2025

- Led frontend development of full-stack inventory management dashboard using React, TypeScript, shadcn/ui, and Tailwind CSS, building beautiful, usable interfaces for restaurant operations tracking 50+ ingredients
- Engineered automated real-time system with intuitive component architecture that reduced manual data entry and improved operational efficiency by streamlining shipment workflows

- Integrated AI-powered chatbot interface with Prophet forecasting model achieving 90.2% prediction accuracy, enabling natural language queries for inventory trends and demand forecasting