

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 wheelchair assistance platform connecting airline passengers with flight attendants to communicate wheelchair handling 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 wheelchair specification entry, **reducing manual data processing time by 80%** and enabling real-time intelligent data extraction for handling procedures

AggieSeek

College Station, Texas

Student-Led Software Project

Aug 2024 – Dec 2024

- Built highly scalable REST API infrastructure using **Flask** and **Firebase** for course availability tracking platform serving **1,000+** Texas A&M **students**, architecting endpoints for real-time course seat information
- 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** to predict customer car purchase behavior, processing **50,000+ customer records** and achieving **85% improvement** in predictive accuracy
- Optimized data workflows using **Python** and **SQL**, **reducing pipeline runtime by 35%** through 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