Nevin P. Kalloor

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EDUCATION

Texas A&M University **College Station, Texas**

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