Anuj Aedavelli

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EDUCATION

Texas A&M University | College Station, TX
B.S. in Computer Science, B.S. in Statistics | *August 2023 – May 2027*

INTERNSHIPS

General Motors Financial
Software Development Intern | *May 2025 – August 2025*

- Identified caching opportunities for **REST API** calls with Redis, reducing average response times by **45%**.
- Implemented Docker containerization for platform services, ensuring auto-scaling services and reducing environment setup time by **15%**.

Ipelint - AI Driven IP Analysis Startup
Software Development Intern | *March 2024 – May 2025*

- Designed an algorithm using adapted Google BERT and Hugging Face models to flag conflicting active trademarks and predict application outcomes, achieving **87%** accuracy by training on law firm submissions.
- Built a data pipeline to aggregate and analyze **3.5M** active trademarks in MongoDB and S3 for comparison.
- Collaborated with law firms to beta test the MVP and implement iterative feedback loops for improvement.

University of Texas at Dallas
Haptics VR Research Assistant | *May 2023 – August 2023*

- Researched keyboard-free typing in virtual reality by integrating Leap Motion tracking and haptic feedback on low-cost hardware to simulate realistic user conditions, achieving **82%** typing accuracy in user testing.

LEADERSHIP

TakeoffX.ai | Co-Founder | *August 2025 - Present*

- Developed an AI-powered app that accelerates Takeoff creation for construction firms, enabling faster and more accurate bid generation from blueprints.

Aggie Create | Team Lead | *September 2024 - May 2025*

- Coordinated a team by creating and managing Gantt charts to plan project timelines, delegated tasks and monitored progress, and presented completed projects throughout the year to club members and leadership.

PROJECTS

EBay ML Challenge | *Python* | *September 2025*

- Developed and refined machine learning algorithms for the eBay ML Challenge, focusing on the classification and matching of car parts to enhance product search.

Coachence - Amazon DSP Assistance | *Python, HTML, GIT, React* | *May 2024 - August 2024*

- Designed full-stack web application using Python and React to support Amazon DSP partners with business tools for performance review to increase productivity.

Cropblast - A&M Tidal Hackathon | *Flask, React* | *October 2024*

- Developed an AI model using PyTorch to recommend crops based on regional climate and soil health data for better yield per harvest.

NASA RASC-AL Challenge – TAMU ThinkTank | *Python* | *October 2023 - April 2024*

- Led development of prototype algorithm trained on wave propagation models and material property databases with data gathered by seismic sensors.

TECHNICAL SKILLS

Proficient: Java, Python, C/C++, Git, Docker, Kubernetes, Azure, SQL, Redis, OpenTelemetry, APIs, Agile, CI/CD
Experienced: Pytorch, Node.js, Haskell, JavaScript, HTML/CSS, Flask, Unity, AWS, NUnit, Angular
Familiar: Swift, MongoDB, TypeScript, Vue, Shell scripting, Terraform