

# Anirudh Nukala

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## EDUCATION

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### Texas A&M University

College Station, TX

*B.S. Computer Science, Honors; Minor in Statistics*

May 2026

- Craig and Galen Brown Engineering Honors Program, Aggie Internship Club, Texas A&M Computing Society (ACM)
- Coursework: Machine Learning, Natural Language Processing, Parallel Computing, Data Analytics for Cybersecurity
- Certified Entry Level Python Programmer (PCEP-30-01)

## EXPERIENCE

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### Software Development Engineering Intern | Amazon

May 2025 – Aug. 2025

Austin, TX

- Deployed a full-stack warehouse access management application to production
- Built a DynamoDB to S3 to OpenSearch pipeline for historical and real-time ingestion with DLQ handling and DDB Streams
- Implemented CRUD operations with Helix policy management system for managing user permissions
- Developed an interactive React frontend using Amazon's internal UI library
- Improved data accessibility for warehouse operations by enabling searchable access to millions of records

### Software Engineering Intern | Ntrepid

May 2024 – Aug. 2024

Herndon, VA

- Developed reusable Vue.js components to enhance UX
- Managed state with Pinia and implemented pre-commit hooks
- Built unit/e2e tests (Vitest, Playwright) and created Storybook documentation
- Utilized Storybook.js to create an interactive component library for seamless UI testing

### Undergraduate Research Assistant | Texas A&M Health Sciences Center

Feb. 2024 – Sep. 2024

College Station, TX

- Contributed to OliviaHealth, a project enhancing maternal/familial care
- Developed a full-stack web application for patient maternal care forms
- Created an ORM and implemented CRUD operations for data storage/retrieval
- Integrated user-friendly UI that allowed patients to complete and submit maternal care forms seamlessly

### Undergraduate Teaching Assistant | Texas A&M College of Engineering

Aug. 2023 – May 2025

College Station, TX

- Python Programming (Fall '23) and Discrete Mathematics (Spring '24 - Spring '25)
- Conducted office hours, clarified student doubts, graded assignments for 100+ students

### Events Officer | Aggie Internship Club

Jan. 2025 – Present

College Station, TX

- Planned and led weekly meetings, coordinated logistics, and secured guest speakers
- Engaged in public presentations for events such as resume reviews and recruiter chats

### Software Development Intern | Mindagile Consulting

May 2023 – Aug. 2023

Dallas, TX

- Built a GPT-3 API-based math quiz web app for middle school students
- Constructed with Pug.js and Express.js and deployed to Google App Engine
- Integrated Auth0 for seamless user authentication

## PROJECTS

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### Training Wheels

- SaaS platform for customizable RAG chatbots with embeddings via OpenAI API and LangChain model
- Implemented a RAG pipeline to enhance accuracy and relevance of user query responses
- Users can upload documents and embed them within their own website via an iframe

### Aggie ProfRec

- Created a REST API combining Rate My Professor and TAMU Grade Distribution data
- Deployed application to Railway, allowing thousands of data points to be viewed by students
- Integrated user-friendly UI that allowed students to easily retrieve historical data about professors and course history

### College Chance Calculator

- Scraped universities' average SAT/ACT admission data from the Department of Education
- Created a Full-stack web app using Django and MySQL that modeled students' admission chances
- Collaborated with a local College Counselor to include licensed images to better inform users about the admissions process

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, TypeScript, C++, SQL (MySQL, PostgreSQL), HTML/CSS

**Technologies:** React.js, Next.js, Vue.js, Django, Tailwind CSS, AWS CDK, Firebase, GCP, OpenAI

**Developer Tools:** Git, Docker, Postman, Figma, Jira, Confluence