Iniyan Joseph

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EDUCATION

The University of Texas at Dallas — Richardson, TX
Bachelor of Science, Computer Science — *Aug 2023 — Aug 2025*
- Cumulative GPA: 3.99/4 | Dean's List, Academic Excellence Scholarship

WORK EXPERIENCE

Grader — Jan 2025 — May 2025
The University of Texas at Dallas — *Richardson, TX*
- Supported professor in grading for Discrete Mathematics for Computing (CS 2305).

PUBLICATIONS

PropType: Everyday Props as Typing Surfaces in Augmented Reality — ACM CHI 2025 Honorable Mention
- *Hyunjae Gil, Ashish Pratap, Iniyan Joseph, Jin-Ryong Kim*

Survey of Discrete Fair Division — Aug 2024 — Dec 2024
- *Iniyan Joseph*

PROJECTS

Gus the Goose — Jan 2025 — Present
- Authoring picture book written to teach Discrete Mathematics for children.

TurboMarkdown — Aug 2024 — Dec 2024
- Created website to easily compile Markdown Files into pdfs with custom coloring.

Simple Shell — Jan 2024 — May 2024
- Wrote simple Bash shell application using C with support for piping.

Nebula Labs' API — Aug 2023 — Dec 2023
- Developed scrapers for UTD Nebula Labs' API for aggregation of professor profile information.

Sensory Profile Calculator — Jun 2023
- Designed UI for Sensory Profile Assessment for sensory tendencies among neurodivergent students.

Project Kaos — Aug 2022 — May 2023
- Designed UI for Role Playing Game using Unreal Engine 5.

EXTRACURRICULARS & CERTIFICATIONS

TCS Research - Advised by Emily Fox — Aug 2024 - Present
- Research algorithms for Symmetric Submodular Optimization.

HCI Research - Advised by Jin-Ryong Kim — Sep 2023 - Sep 2024
- Coauthor two papers on efficient text entry in virtual and augmented reality.

UTD Algorithms Club — May 2024 - Aug 2025
- Teach topics in Computational Geometry, Fair Division, and Combinatorial Optimization.

UTD Codeburners — Aug 2023 - Aug 2025
- Participate in and host competitive programming competitions.

HSP - Social and Behavioral, CITI — Jan 2024

HSP - Responsible Conduct of Research for Engineers, CITI — Jan 2024

Piano
- Compete in several music festivals and competitions, receiving Texas Federation of Music Clubs Gold Cup.

SKILLS

- **Projects:** Python, Java, C/C++, Lua, Go, Bash, Typst, Latex, HTML/CSS, Nim, Nix, Lisp, Prolog, Rust, Racket
- **Technologies:** Tensorflow, Unity, Godot, Unreal Engine 5, Git, Github, NixOS, Linux, PyGame, Tkinter
- **Languages:** English, Tamil, Esperanto