

Nandan Praveen

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EDUCATION

University of Georgia, School of Computing Athens, GA
Bachelor of Science, Computer Systems Engineering Expected May 2029
Major GPA: 3.89/4.00

RELEVANT EXPERIENCE

UGA School of Computing Athens, GA
VIPR Team Member and Research Assistant, Mentor: Dr. Thirimachos Bourlai Jan 2026 – Present

- Learned to develop image-based machine learning models by building models to recognize feline facial recognition
- Used linear algebra, Pytorch, Tensorflow, and Jupyter Notebooks to develop models adaptable to multiple situations while maintaining fast performance
- Developed strong understanding of Ubuntu-based Linux systems and remote operation of Linux systems

UGA School of Computing Athens, GA
Research Assistant, Mentors: Dr. Yiping Zhao and Dr. Zhen Xiang Sept 2025 – Jan 2026

- Created base UI/UX layout of the AIGRAS (AI Graduate Research Assistant Software) application with Flutter and external libraries and packages
- Designed AI control flow to create features such as natural language calendar event creation and integrated chat to-do list task creation and management
- Engineered LLM prompts to output specific datatypes with corner case handling, and then used LLM outputs to automate calendar and chat features in application
- Developed productivity evaluation system to optimize productivity by parsing user-created to do lists and using an LLM to evaluate the most efficient order for tasks to be completed in, and to provide users with a rating on their productivity for the day.

DevDogs Athens, GA
Flutter Project Head and Focus Lead Sept 2025 - Present

- Worked as project lead for over 50+ team members to develop a study group app for UGA students
- Led 7 developers in a focus team to create the Profile Customizations feature for a Community Forum project
- Created and assigned GitHub issues to team members based on individual skill sets and completion deadline requirements
- Developed team skills in Flutter, Next.js, MySQL, Supabase, and the Drizzle ORM through organizing team activities that introduced and reinforced both core and nuanced concepts
- Coded significant schema for MySQL database that defined the storage of user profiles, organization profiles, and allowed for the easy access of data across the codebase

TECHNICAL SKILLS

Programming Languages: Dart, Java, Typescript,
Database: Firebase Firestore, MySQL (Drizzle ORM), Hive, Supabase
Frameworks: Flutter, ReactJS