

ADNAN FARID

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EDUCATION

University of Florida Herbert Wertheim College of Engineering
Master of Science in Computer Science

Gainesville, FL
May 2026

University of Florida Herbert Wertheim College of Engineering
Bachelor of Science in Computer Science

Gainesville, FL
May 2025

- **GPA:** 3.36/4.00
- **Coursework:** Software Engineering, Data Structures & Algorithms, Operating Systems, Information and Database Systems

EXPERIENCE

IT PACS PRO Medical Software
Software Engineering Intern

Miami, FL
Jul – Aug 2024

- Developed an automated phone answering system utilizing AWS Pinpoint, AWS Lambda for executing scheduling logic, and stored results efficiently in an AWS S3 database, leading to 35% less incoming calls to human representatives
- Managed and tracked project tasks using Trello, ensuring timely completion and adherence to deadlines
- Collaborated closely with 3 senior software engineers during coding sessions and sprint meetings, gaining insights into best practices and Agile methodologies

Software Engineering Club
Software Engineer

Gainesville, FL
Sep 2023 - Present

- Implemented robust error handling in the Announcements API using Node.js and Express, improving overall API response time by 20%
- Developed a custom React button component with an integrated loading spinner, significantly enhancing UI responsiveness and reducing perceived loading times within the MERN mobile application
- Designed and implemented a visually appealing QR code feature using React and MongoDB, enabling users to generate and download QR codes directly to their mobile devices, leading to an average of 5 QR code downloads per club.

Modern Kickz
Founder and Lead Software Engineer

Miami, FL
Sep 2023 - Jun 2024

- Conducted market research using past projections of merchandise to determine likelihood of increased sales, increasing profit by 215%
- Developed a custom Python script to autofill fields during the purchase of high-demand merchandise, increasing purchase success by 20%
- Applied Excel to document inventory and sales through multiple platforms to determine the effectiveness of current business practices and to document progress toward goals, leading to profits over \$20,000

TECHNICAL PROJECTS

PDF-GPT

Mar 2024 - Jun 2024

- Designed a full-stack MERN application with a REST API that securely stores PDFs in the backend, preventing PDF reupload
- Developed login and logout functionality, using JWT tokens and bcrypt to ensure secure user access and session management, which led to 25% less logins.
- Integrated the ChatGPT API into the Node.js backend, enabling dynamic question-answering based on the content of uploaded PDFs

AI Snake Champion

Aug 2024

- Engineered a machine learning model to beat the classic web-based game “Snake”, which was developed using Pygame, Python, and object oriented programming fundamentals
- Utilized PyTorch and NumPy for efficient data compilation, reducing processing time by 20%
- Leveraged PyTorch to architect and deploy a Deep Q Learning agent to adeptly navigate and solve game challenges

ADDITIONAL INFORMATION

- **Memberships:** GAITOR Club, Society of Software Developers, Association for Computer Machinery
- **Programming Languages:** Python, C++, R, Java, JavaScript, HTML, CSS
- **Developer Tools:** Git, Trello, AWS S3, AWS Pinpoint, AWS Lambda
- **Libraries:** PyTorch, pandas, NumPy, Matplotlib, SFML, Pygame, NodeJS, ExpressJS, React, MongoDB, ReactNative
- **Interests:** Martial Arts, Video Games, Baking