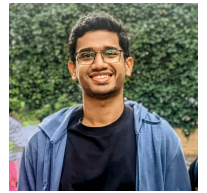


Neil William Fernandes

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PROJECTS

ARFoundation Simulacrum • January 2024 - Present

- Created a mystery solving simulation game environment for Apple VisionOS.
- Simulation features multiple levels with powerups, spatial sound effects.
- Implemented compass based navigation using hand tracking using ARFoundation and PolySpatial Tools..

Equate • March 2024 - Present

- Created an AI calculator that used ChatGPT tokens to solve visual equations.
- Features various different modes like currency , mass, length, time, time, temperature, BMI, interest calculator convertor..
- Implemented prompt compression methods to reduce token costs.

Assistive head mounted device for visually impaired • August 2023 - December 2023

- Created a lightweight head mounted assistive device for the visually impaired that uses onboard cameras to inform users about their surroundings via haptic feedback and alerts.
- Instrumental in decreasing product weight by 2gms, increased detection accuracy from 59% to 61%.
- Developed robust control modules and several sophisticated algorithms for object detection and scene understanding.

Echevion • May 2023 - June 2023

- Created a recommender system that matches creative professionals to employers utilizing Gale Shapley algorithm.
- Developed web-based user interface for the system and helped with 0.45% reduction in matching error rates.
- Implemented machine learning algorithms using Python, Spark and Scikit-learn to improve matching accuracy by 2%.

ShoeShop • June 2022 - December 2022

- Created a full fledged sneaker shopping e-commerce platform using MERN stack.
- Incorporated an inbuilt inventory management system along with other common routines like login, cart, carousel, checkout, payment gateway by Stripe & Paypal integration.

Cookys • June 2021 - December 2021

- Developed a comprehensive cookbook app using Django REST Framework, implemented CRUD operations for recipes, ingredients, and tags.
- The app supports filtering, searching, and uploading images to create a dynamic and interactive repository of recipes.
- Implemented Postgres for efficient data storage and retrieval and an inbuilt authentication system.

EDUCATION

Bachelor of Technology in Computer Science PES University • Bangalore, Karnataka • 2024

Diploma in Computer Science Ramaiah Polytechnic • Bangalore, Karnataka • 2020

10th Standard Yelahanka Government School • Bangalore, Karnataka • 2017

INVOLVEMENT

Founder of r/jailbreakdevelopers

- Started and grew r/jailbreakdevelopers from 0 members to 13,000 members in less than a year by building a network of prominent developers in the iOS jailbreak community and moderating the subreddit.

Top 10 Finalist at DotSlash 4.0 Hackathon

- Worked on the Front end design of the website and communicated the project well to the panelist that helped in the selection of the project.

JapanHabba Volunteer

- Volunteered at a Japanese cultural festival organized by the Japanese consulate .

U&I Volunteer

- Volunteering with U&I to provide tutoring for underprivileged kids.

CERTIFICATIONS

AWS Cloud 101 Amazon Web Services Training • 2022

- Completed an introductory course on AWS.

Software Testing Bluesquare IT • 2020

- Training and hands-on experience in software testing.

SKILLS

CODE: C, C++, Python, SQL, HTML, CSS, JavaScript, React.

DESIGN: Sketch, Figma, Adobe XD ,Adobe Photoshop, Adobe Illustrator.

LANGUAGES: English, Kannada, Hindi, Konkani.

TOOLS/SERVICES: Microsoft Office, Git, Linux/UNIX, AWS, Azure, Docker, Kubernetes, Gradle, Firebase, Flutter, MongoDB.