

Shreyas Nisal

shreyasnisal@gmail.com • shreyasnisal.com • GitHub • LinkedIn • YouTube • Medium

EXPERIENCE

EXERTION GAMES LAB | RESEARCH ASSISTANT

May 2021 – present | Remote

- PI: Prof. Florian 'Floyd' Mueller
- Studying the use of Electrical Muscle Stimulation (EMS) in Human-Computer Interaction (HCI)
- Designing social bodily games using EMS

TWILIO | SOFTWARE ENGINEERING INTERN

June 2021 – July 2021 | Remote

- Contributed to the Role-Based Access Control (RBAC) platform using the vaadin framework
- Developed API endpoints for the access manager service (XMS)

BITHYVE | REACT NATIVE INTERN

May 2020 - July 2020 | Remote

- Worked on the Hexa wallet app for bitcoin storage and transactions
- Added functionality for QR scanning for bitcoin transactions

OAKLAND SYSTEMS | FULL-STACK DEVELOPMENT INTERN

Dec 2018 - May 2019 | Remote

- Worked as the sole React Native developer on two apps
- Developed modules in Spring and Hibernate for self-registration kiosks at hospitals

OAKLAND SYSTEMS | FULL-STACK DEVELOPMENT INTERN

May 2018 - June 2018 | Nagpur, India

- Developed a voice-controlled web application for hands-free medical examination forms
- Used a MySQL database with RESTful services to store pronunciation variations

PROJECTS

QLOGIC | [GOOGLE PLAY](#)

Quantum computing puzzle game developed in React Native

SPEECH PROGRAMMER | [DEMO](#)

Open-source web application to convert speech commands to C code

MEDNET OUTREACH | [GOOGLE PLAY](#) | [APPLE STORE](#)

Telemedicine app developed using the Twilio Video API with the Oakland Systems team

VTALK | [GOOGLE PLAY](#)

React Native app to facilitate communication between hearing-impaired people and speaking-hearing people

VOICE QUIZ | [GOOGLE PLAY](#)

Voice-controlled quiz app developed in React Native

UNITY3D GAMES | [GOOGLE PLAY](#)

Hypercasual games for handheld devices

EDUCATION

BITS PILANI- GOA

B.E. COMPUTER SCIENCE

M.Sc. PHYSICS

2017 - 2022

SKILLS

LANGUAGES

C/C++ • Java

JavaScript • HTML/CSS

SQL • Python

FRAMEWORKS

React Native • Flutter • Vaadin

Dropwizard • Spring • Spring Boot

Swing/AWT • Bootstrap

TEACHING

Teaching Assistant

Computer Programming

Mar 2021 - June 2021

Jan 2020 - May 2020

Jan 2019 - May 2019

Teaching Assistant

Object Oriented Programming

Aug 2020 - Dec 2020

Jan 2020 - May 2020

YouTube Tutorials

Linux Fundamentals • C Programming

Python • Object-Oriented Programming

React Native Windows • Verilog

Theory of Computation • Compilers

HONORS

INVITED SPEAKER

Quantum Games Hackathon,

QTurkey (Dec 2020)

[QLogic](#): Gamifying Quantum Computation

INVITED SPEAKER

National Conference of Association of Otolaryngologists of India (Jan 2020)

[VTalk](#), An App for the Deaf

EXTRA-CURRICULARS

Volunteer

Nirmaan Goa Chapter

Vice Captain

BITS Goa Badminton Team (2019-2020)