Shreyas Nisal

shreyasnisal@gmail.com

EXPERIENCE

EXERTION GAMES LAB | Research Assistant
May 2021 – present | Remote
- Working on the affordances of Electric Muscle Stimulation (EMS) in HCI
- Studying the use of muscle stimulation to support declarative memory

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 fuctionality 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 deaf 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

LINKS

Website: **shreyasnisal.com**
Github: **github.com/shreyasnisal**
LinkedIn: **linkedin.com/in/shreyasnisal**
YouTube: **youtube.com/c/shreyasnisal**

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 ASSISTANTSHIPS

Computer Programming
Mar 2021 - June 2021

Object Oriented Programming
Aug 2020 - Dec 2020

Object Oriented Programming
Jan 2020 - May 2020

Computer Programming
Jan 2020 - May 2020

Computer Programming
Mar 2019 - June 2019

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