NIRANJAN GIRHE

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EDUCATION

Bachelor of Technology in Computer Engineering
MIT Academy of Engineering, Pune, India   📅 2019 – 2023
- CGPA: **9.74/10**
- JEE Main percentile: **94.55%**

Secondary & Higher Secondary   📅 2010 - 2019
- XII HSC Science (Feb 2019): **73.08%**
- X SSC (Mar 2016): **83.4%**

EXPERIENCE

Web3 Developer   Link
Impactiltiy Pvt Ltd
📅 January 2023 - Present
- Contributed to the SERVCARE platform, an all-in-one solution for managing household appliances and electronic waste. Key responsibilities included developing web and mobile applications using React and React Native.
- Designing SSI Wallet using Microsoft Entra Wallet Library

React   React-Native   Blockchain   AWS   MongoDB   DID   VC   Solidity   Ethereum   TypeScript

Research and Development in Serious Games Intern   Link
Ontario Tech University, Canada (Mitacs GRI funded program)
📅 May 2022 - Aug 2022   Adv: Jeremy Bradbury
- Designed and implemented Serious games (Threaded Paws)
- Help users grasp concepts of concurrency and its pitfalls
- Developed on Unity with form-based modular level designing

Unity   Krita   C#   Audacity   GitHub   2D Animation

Elective Allocation System Full Stack Developer   Link
MIT Academy of Engineering
📅 June 2021 - August 2021   Adv: Mrs. Ranjana Badre
- Automatization of the manual elective allocation process
- Built automatic elective allocation algorithm
- Developed web-portal based interface with user and admin side

HTML   Javascript   Firebase   Firestore database   CSS

RESEARCH PROJECTS

Smart Traffic System to Optimize the City Traffic   Link
MIT Academy of engineering
📅 Jul 2021 – Ongoing   Adv: Dr. Avinash Bhute
- Estimation of optimal traffic signal timings for smart traffic control
- Used Unity game engine to simulate real life traffic

Unity   C#   Python   Git   Firestore database   IoT

Shetkari Mitra - Mobile App for Farmers   Link
MIT Academy of engineering
📅 Aug 2020 – Mar 2021   Adv: Dr. Avinash Bhute
- Designed Android application to assist farmers
- Consists of discussion forum, expert connect, information, etc
- Presented and published in Springer's ICCDN-2021 conference

Android studio   Firebase   JSON Parsing   Picasso   AWS

POSITION OF RESPONSIBILITY

- Animix Club – Founder and Club Head
- Android Study Jam Facilitator and Educator at GDSC MITAOE
- Core Member at TEDxMITAAOE

ACHIEVEMENTS

🏆 **Winner - UNESCO-India-Africa (UIA) Hackathon**   Link
- Awarded with **300,000 INR** prize money by the Education Minister and **the Vice President of India**
- Soil health report generation in Android app based on image processing and deep learning
- Team consisted of 4 different African national.

🏆 **Winner - Smart India Hackathon**   Link
- Awarded with prize money of **100,000 INR**
- Developed web-portal for online labor complaint handling

🏆 **Received MAEstro 2023 Award**   Link
- Awarded with **10,000 INR**
- Recognizes as best outgoing student of the year 2023

🏆 **1st rank in HakkerRank Python Challenge**
- Awarded with **3,000 INR**
- Fastest solver of 6 competitive programming problems

🏆 **Completed 30 days with Google cloud**   Link

PROJECTS OUT OF HOBBY

NGAnime - Android Application   Link
- Developed an android application which compiles online Anime streaming platforms at one place with sharing and keep eye feature

Android studio   Kotlin   JSON   Git   Google Analytic

Killing Tech - Indie Multiplayer PC and Mobile Game   Link
- Developed 3D FPS multiplayer game, Used Photon 2 engine

Unity   Blender   Rigid body Sim   C#   Audacity

Imagination - Deep learning and Computer Vision   Link
- Developed a Text to Image and Image caption generator

CNN   LSTM   Word2Vec   OpenCV   Deep learning

TECHNICAL SKILLS

Unity   C++   C#   Android Studio   Java   Kotlin   Python   AIML   HTML   JS   DevOps   Git   Azure   AWS - cloud   SQL   MongoDB   NodeJS   Dapp   Blockchain   Solidity

CERTIFICATIONS

- **AWS Certified Cloud Practitioner**   Link
- **Microsoft Azure AI fundamental (AI 900)**   Link
- **Microsoft Azure fundamental (AZ 900)**   Link

PUBLICATIONS

Conference Proceedings
- Girhe, N. et al. (2023). In: Advances in Communication, Devices and Networking. Singapore: Springer Nature Singapore,pp. 111-127. ISBN: 978-981-19-2004-2.
  doi.org/10.1007/978-981-19-2004-2_10
- Girhe, N. et al. (2022). "Smart traffic system to optimize the city traffic". In: YMER Digital.
  DOI: 10.37896/YMER21.12/83
  ymerdigital.com/archives/?cpage=5issId=%202112