Shritesh Jamulkar

Passionate Developer

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Education

Bachelor of Technology, NIT Raipur   **08/2017 - 05/2021**
Computer Science and Engineering
Cumulative Performance Index(after 7 semesters): 7.44/10
Current Semester's Performance Index: 9.20/10
Sri Shankra Vidyalaya(HSC)   **04/2015 - 04/2017**
Intermediate \+2
Percentage: 80%

Interests

- Blockchain Technology
- Parsers and Parser Technologies
- Reactive(Rx) Programming

Research Works

Aztec Protocol based Smart Contract Data Feed Model for Blockchain Oracles   02/2021 - Present
Guide: Dr. Preeti Chandrakar (Assistant Professor)

- Proposed a secure methodology to feed trustworthy data into the smart contracts from blockchain oracles using AZTEC protocol.

Blockchain-Based Digital Evidence Management System   07/2020 - 12/2020
Guide: Dr. Preeti Chandrakar (Assistant Professor)   (Under Publication)

- Proposed a digital evidence management system for legal cases to store digital evidence in Hyperledger Sawtooth using IPFS in PBFT consensus mechanism.

Echo Based Real-time Attendance System   08/2020 - 12/2020
Guide: Dr. Jairam Naik (Assistant Professor)   (Under Publication)

- Made an Echo based attendance system using Quiet Modem Project to take attendance of all the available listeners in one-shot.

Work Experience

Zenithec Techware   Raipur, Chhattisgarh
iOS Developer   04/2019 - Present
- PetBro Business iOS Application
    - Made a complete PetBro Business iOS application from scratch.
    - Complete Application is built on MVVM Architecture with RxSwift support.
    - Used RxMoya as a Network Abstraction Layer and RxNuxe for image caching and displaying.

Allsoft.co   Raipur, Chhattisgarh
Software Developer Intern   07/2019 - 09/2019
- GFI Auction
    - Worked on GFI Auction project based on Angular Frontend framework.
    - Integrated NgRx Store to provide reactive state management.

Key Projects

Airport-Licensing DAPP
A dApp for creating and managing Aerodrome Licensing using Hyperledger Fabric.

dEmergency
A decentralized SOS triggering service for medical emergencies.

Open Journal
A decentralized platform for researchers to publish their work with fellow researchers and also review works of other researchers to ensure trust and transparency between all the researchers.

dOrgans
A blockchain based dApp in which if a person needs an organ he can register on the platform and wait until a cadaver organ(organ from a person who is dead and willing to donate his organs) is available, all this data will be stored on ethereum based smart contract so that this sensitive information is tamper proof.

Smart Elections
Elections Based on Decentralised Ethereum Blockchain Network.

Lua Parser + Interpreter
A Lua Parser + Interpreter using LPegLabel with an error recovery mechanism.

HideKeyboardWhenTappedAround(iOS)
A small Swift Library for hiding keyboard when the user tapped anywhere in UIViewcontroller.

CG Tourism App
A Cross-Platform application for Chhattisgarh Tourism Board built using React-Native.

Open Source Contributions

- **Open Food Facts Organisation** - Open-Food-Facts Android Application
- **AnitaB Organisation** - Mentorship Android Application
- **ScoreLab Organisation** - Massa - Mobile Accessible Social Sharing Agent

Position of Responsibility

Developer Student Clubs NIT Raipur   Raipur, Chhattisgarh
Facilitator, Android Study Jams   11/20 - 04/21
- Mentored 50+ students in Android Study Jams at NIT Raipur on course **Android Kotlin Fundamentals course**.

Technocracy - Technical Committee of NIT Raipur   Raipur, Chhattisgarh
Tech Lead   01/19 - 04/21
- Aavartan Android Application
  - Redesigned UI of previous year's Application and fixed various bugs.
- Kleos2k18 Android Application
  - Made the backend and Android App from scratch.

Technical Skills

Programming Languages:
Proficient in Java, Swift, Javascript/Typescript.
Familiar with C/C++, Python, Kotlin, C#, SQL, Bash, Solidity, Ruby, Lua, Rust.

Web Technologies:
HTML/CSS/SCSS, Nodejs(MERN & MEAN Stack), Django/Flask, Graphql/REST, React (Redux/Mobx) /Angular (NgRx)

Mobile Technologies:
Native iOS(Swift)/Android(Java/Kotlin), React-Native(Cross-Platform), Flutter(Cross-Platform)

Blockchain Technologies, Cloud/Deployment Platforms, and Others:
Ethereum Solidity, Hyperledger Fabric / Sawtooth / Sawtooth-Seth / Burrow, GCP, AWS, IBM Cloud Platform, Digital Ocean, Vercel, Netlify, Git, Firebase, Docker/Kubernetes, Unity3D.

Talks and Bootcamps

- Conducted a Bootcamp at Facebook Developer Circles Raipur on Blockchain-based Decentralized Application development in Ethereum Blockchain
- Conducted Android Study Jams in NIT Raipur on course Android Kotlin Fundamentals course.

Achievements

- **Winner:** Codeutsava 4.0 Hackathon in Blockchain track.
- **Winner:** Codeutsava 3.0 Hackathon in Blockchain track.
- **Winner:** Application Development contest held IIIT Raipur.
- **Finals:** Smart India Hackathon 2020.
- **Finals:** Smart India Hackathon 2019.