ADITYA SAHU

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C++, Python, JavaScript

EDUCATION

- **Guru Gobind Singh Indraprastha University, New Delhi**　　　　**August, 2016 – June, 2020**
  Bachelor of Technology, Computer Science & Engineering, 8.0 CGPA
- **Kendriya Vidyalaya Janakpuri, New Delhi**　　　　**April, 2014 – March, 2016**
  XII, Higher Secondary Education – Mathematics & Computer Science, 88.4%

EXPERIENCE

LibreOffice　　　　**June, 2020 – August, 2020**
Google Summer of Code 2020 Participant with LibreOffice
- Completed the project "Move Gallery Code to Use ZIP Files" for the open source office suite **LibreOffice**
- Introduced ZIP and XML file format for storing gallery files to replace the older binary formats
- Written over **3000 lines of code** using **C++** to achieve the goal
- Carried out **10 unit tests** for svx module and successfully finished refactoring of the codebase

Spade Infotech Pvt. Ltd., Gurugram　　　　**June, 2019 – August, 2019**
Software Development Engineer Intern
- Developed *full stack web application based on blockchain* by using **Express.js** and **Bootstrap**
- Performed bug fixing on existing software using **Java** and **AngularJS**
- Completed proof-of-concept on *offline access in Ionic mobile application* using **SQLite** and **AngularJS**
- Researched *JHipster* Framework and microservices architecture to create websites without the need of coding

PROJECTS

Project OpAlert　　　　**August, 2019 – Present**
Created a full stack web application to notify students about the job opportunities at campus
- Extracted data from campus portal by using web scraping framework *beautiful soup*
- Deployed the application on *Google App Engine* cloud platform
- Received more than 50 subscribers and sent over 2000 notification alerts in the first three months of its launch.
- Used languages like *Python, JavaScript, HTML5*

Track-Eth　　　　**August, 2018**
Developed a surveillance and tracking service to identify and track people based on facial recognition
- Applied facial recognition to identify the specific person to be searched over video feed using *OpenCV*
- Used Blockchain technology to send location data of the identified and make it immutable using *web3.py*
- Demonstrated the project within 24 hours by working with a team of 4 members

Decentralized Voting System　　　　**June, 2018 – July, 2018**
Created a voting web application to decentralize the voting process as part of the summer in-house project
- Written smart contract containing vote details using *Solidity* programming language
- Performed unit testing using *Mocha Test Framework* and deployed the project to *Rinkeby* test network using *web3.js*
- Successfully completed the project under 6 weeks after developing it with a team of 3 members

ACCOMPLISHMENTS

- Secured **2nd Position** at *HACKIIIT'18* based on the practicality and high potential of the project developed during the event
- Nominated as one of the 10 finalist teams amongst 50 shortlisted teams nationwide for blockchain hackathon conducted by *Consensys* at **IIT Delhi**
- Won the online cryptic hunt in *Arcane'17* which was conducted by IGDTUW Delhi

VOLUNTEER ACTIVITIES

- **Open Source Contributor at *LibreOffice***　　　　**January, 2018 – PRESENT**
  Fixed and filed over 20 issues using knowledge of **C++** and ***Git VCS*** for bug fixing
- **Technical Coordinator at IEEE ASET**　　　　**May, 2017 – May, 2018**
  Worked with the IEEE team members to organize campus meet-ups, workshops and technical events throughout the session
- **Front-end Developer**　　　　**March, 2017**
  Developed front-end of the website for the annual college fest *Amitech'17* using HTML5, CSS and Bootstrap
- **Event Organizer**　　　　**February, 2017**
  Organized cultural events for SAE Society with a team of 5 members

SKILLS

- **Frameworks**: Flask, Node.js, Express.js, OpenCV, Web3.js, Beautiful Soup 4, Bootstrap, Git, MongoDB, Oracle SQL, Truffle
- **Languages**: C, C++, Python, JavaScript, Solidity, Java, SQL