+1 213-536-3452

chhabraa@usc.edu

ABHISHEK CHHABRA

LinkedIn: Abhishek-AC

Github: Abhishek-AC

EDUCATION

Master of Science in Computer Science   **Jan 2020 - Dec 2021(expected)**
University of Southern California, Viterbi School of Engineering | **GPA: 4.0 / 4.0**

Bachelor of Engineering (BE), Computer Engineering   **Jul 2015 - Jun 2019**
University of Mumbai, Vivekanand Education Society's Institute of Technology (VESIT) | **CGPI: 9.41 / 10.0**

PUBLICATIONS AND PATENT

- "Edu-Coin: A Proof of Stake implementation of a decentralized skill validation application", IEEE Xplore [ISSN: 978-1-5386-9166-3]
- **Invention** with the title "A method and a system for rating and reward distribution on a decentralized blockchain platform". Country - India, filed - August 2019. Patent Pending

SKILLS

- **Programming Languages:** Python 3.7, JavaScript, Java 8, Solidity, C#
- **Frameworks:** Django REST framework, Express.js, Graphene-Django, Tesseract.js
- **Databases:** MySQL, PostgreSQL, Firebase Realtime Database, Amazon Quantum Ledger Database
- **Web and Mobile:** Node.js, React.js, Heroku, AWS S3, AWS Route 53, AWS Elastic Beanstalk, Android Development
- **Tools:** Postman, Docker, GitHub Desktop, Unity, JIRA, pgAdmin, MySQLWorkbench, Slack, MS office

EXPERIENCE

Software Developer   **USC | The Viterbi iPodia Program**   **Feb 2020 - Present**
- Designed and built a P2P iPodia System using Desire2Learn's BrightSpace Learning Management System
- Implemented a clustering algorithm to group students together to maximize peer-based learning
- Integrated the P2P functions with the Learning Management System by creating REST API endpoints

Full Stack Developer   **Ajackus Consultancy**   **Jun 2019 - Dec 2019**
Deposit-Book
- Optimised the online platform connecting depositors with banks by developing and refactoring 90% of RESTful APIs
- Implemented code fixes for issues with severity level 8-10 identified during Vulnerability Assessment & Penetration Test
- Developed a dashboard for reporting and analytics to enable depositors to visualize their transactions

Loyalur
- Built a chaincode and deployed it on the IBM Blockchain Platform for cross-company customer loyalty program
- Developed APIs for connecting blockchain node and perform transactions enabling users to avail benefits of the program

Tacnique
- Designed REST services to retrieve and summarise data from Airtable and send automated emails to clients
- Added AWS lambda functions and spun up a serverless instance of the project management tool

Rain Alerts for Mumbai: Idea Submission in IBM Call for Code 2019
- Used The Weather Company and Dark Sky APIs to prepare a weather dataset for Mumbai
- Created a classification algorithm using Watson Machine Learning for prediction of rain and generate relevant alerts

Summer Intern   **Ministry of Electronics & Information Technology, Government of India**   **Jun 2018 - Aug 2018**
- Designed a homogenous wrapper framework to support 13 distinct cloud services used by different state governments
- Built an Android app for MeitY cafeteria enabling users to place orders, update daily menus, generate and settle invoices

PROJECTS

Civic Tech Index, Hack For LA   **May 2020 - Present**
- Contributed to an open-source project to build a searchable catalog of GitHub repositories
- Consumed GitHub APIs for searching, adding tags to repository by creating a Github OAuth app and integrated with website

Elementally   **May 2020 - Jul 2020**
- Developed a puzzle game inspired by Monument Valley using Unity 3D
- Conducted play-testing sessions after every iteration and used player feedback to improve game mechanics and features

Edu-Coin: Skill validation decentralized application   **Nov 2018 - May 2019**
- Engineered a blockchain-based platform to enable peer-reviewed evaluation of professional certifications
- Utilized Ethereum to implement a smart contract that allows recruiters to hire professionals with a reliable rating

India Code for Good Challenge 2018, JPMorgan Chase   **Jul 2018 - Jul 2018**
- Developed solutions for VCare Cancer Non-Profit Organization by building an android and web app
- Automated the patient data collection procedure and provided a platform supporting functionalities for patients and volunteers

Home Automation for Vision Impaired & Elderly People   **Aug 2018 - Jan 2019**
- Developed an IoT-based app with speech and touch recognition to support visually impaired and elderly people respectively
- Interfaced the Android application with an Arduino and WiFi module to control home appliances