

Mankirat Singh

Undergraduate Student

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WORK EXPERIENCE

Machine Learning Intern InterGlobe Solutions

05/2019 – 07/2019

Gurgaon, India

Achievements/Tasks

- Worked on a project to automate Delta Baggage Command Center
- Analysed the coding approach and streamlined the process into programmable tasks. Established a condition matrix for the 5 most frequent ROF(reason of fault) codes
- Helped with an RPA solution to automatically scrape client apps to extract data and to structure them in organised datasets
- Implemented a text processing module to perform various tests on the extracted data and build a result matrix
- Trained the result matrix on training data using multiple classification algorithms to obtain the best results

Contact: *Love Ojha*

Google Summer of Code Student Intern Sugar Labs

05/2018 – 07/2018

New Delhi, India

Achievements/Tasks

- Worked from planning to building a full stack web app for teachers on the Sugarizer Platform in which I integrated the web app with existing Sugar API
- Key features of web app included multi-lingual support, real-time deployment of tests over a local server, live results with interactive graphs.
- Handled state of app with React Redux and automated app build processes with Webpack and Babel
- Used web sockets to enable Sugarizer Server to relay data to clients in real time

Contact: *Lionel Laske*

Android Developer Intern Zaillet Media (Startup)

05/2017 – 07/2017

New Delhi, India

Achievements/Tasks

- Contributed to the full mobile application development lifecycle from planning, requirement gathering, development, testing and launching on Google play store for beta testing.
- Responsible for development of all application components and UI resources
- Helped with the design and development of Zaillet Mobile API
- Integrated Google play services and social logins
- Built compatibility with android version 4.0 to present.

EDUCATION

Bachelor of Technology (B.Tech) GGSIPO, New Delhi

08/2016 – Present

77.5%

Courses

- ETCS-209: Data Structures
- ETCS-302: Compiler Design
- ETIT-403: Cryptography and Network Security
- ETCS-210: Object Oriented Programming
- ETCS-310: Artificial Intelligence
- ETIT-407: Cloud Computing

PUBLICATIONS

Journal

Proposing Contextually Relevant Advertisements for Online Videos

Author(s)

Mankirat Singh, Rishab Lamba

Accepted for Publication in CCIS: ISSN: 1865:0929

In this paper, we proposed a contextually relevant advertisement recommendation system using multi-modal analysis of text, audio and visual data of source videos.

PERSONAL PROJECTS

Chainlist (08/2017 – 09/2017)

- Designed and developed a smart contract using solidity and implemented test scripts using the truffle framework
- Optimized the smart contract to increase efficiency
- Integrated the app with crypto wallets to complete transactions in Ether

Facebook Messenger Chatbot (01/2018 – 03/2018)

- Used Webhooks with Facebook Messenger API to automate replies for a Facebook Page
- Developed a simple NLP module to generate a reply based on the classification of nature of the user's query.

Twitter Sentiment Analysis (09/2018 – 09/2018)

- Used the twitter API to stream live tweets
- Classified the sentiment of tweets as positive or negative based on language used.

TECHNICAL SKILLS

Languages

C++, Java, Javascript, Python, Solidity

Frameworks

ReactJS, NodeJS, Django, Android, Truffle

ACHIEVEMENTS

Vice-President of Open Source Society, BVP (OSS) (07/2018 – Present)

Was the founding member of OSS, BVP which came under Paytm- Build for India initiative. Conducted workshops on Blockchain and Web Development.

1st Prize Smart India Hackathon 2019 (SIH 2019) (04/2019)

Worked on an Optical Character Recognition module to scan details from patient IDs and fill form fields automatically. helped build an end to end web app to automate and streamline patient experience.

TEACHING EXPERIENCE

Web Development Coding Blocks

05/2018 – 08/2018

New Delhi, India

Tasks/Achievements

- Was selected as the Teaching Assistant of the Web Development Classroom program of Coding Blocks, Pitampura
- Contributed as part of their development team to Hackerblocks (Online Coding Platform)

Contact: *Arnav Gupta*

COURSES

Java Foundation and Data Structure (08/2016 – 11/2016)

Coding Ninjas, New Delhi

Android Development (01/2017 – 04/2017)

Coding Ninjas, New Delhi

Web Development with NodeJS (07/2017 – 10/2017)

Coding Blocks, New Delhi

Ethereum Decentralized Blockchain Design (07/2017 – 10/2017)

Udemy

Machine Learning A-Z (02/2018 – 04/2018)

Udemy

Machine Learning by Andrew NG (08/2019 – Present)

Coursera