Shubham Jaswal

Computer Science Undergraduate

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EXPERIENCE

IBM, *Software Engineering Intern*

JULY 2019 - SEPTEMBER 2019

Involved in the development of an automatic attendance system and face recognition models.

Technologies used: RaspberryPi, Google Cloud, TextTOSpeech, SpeechTOText, Audio Stream Processing, OpenCV.

Value Plus, *Web Development Intern*

MAY 2019 - JULY 2019

Involved in the development of an online platform of value plus.

Worked on different modules and developed various components for the application and APIs on AWS Lambda through serverless.

Optimized performance of previously developed code from more than 2.5 hrs run time to just 10 seconds.

Technologies used: ReactJs, JavaScript, AWS(S3, DynamoDb, Lambda, Serverless), Firebase.

EDUCATION

University Of Petroleum and Energy Studies, Dehradun — *B.Tech Computer Science & Engineering*

AUGUST 2016 - MAY 2020

S/W Open Source & Open Standards

PROJECTS

UPES Jigyasa — *Django based website*

A website to host an annual seminar 'Jigyasa' of FIPI student chapter and register users for the event and process payments online.

Technologies used: Python, Django, Paytm API, Javascript, Heroku, PostgreSQL

SKILLS

Python, Javascript, C++, PHP, HTML CSS

ReactJs, Django, Serverless, Tkinter, Bootstrap

MySQL, DynamoDB, MongoDB, PostgreSQL

AWS, Lambda, S3, Google Cloud, Firebase, Heroku, Git

RESPONSIBILITIES

Technical Team Head, FIPI Community, UPES

Technical Team Member, Open Source Community, UPES

ACTIVITIES AND ACHIEVEMENTS

Top 20 rank in all India Nagarro hackathon – **Code n Counter 4.0**, Gurgaon

Top 10 rank in **CSI-Hackathon 3.0**

Attended workshops and training at **IBM-Gurukul**, Banglore

Awarded **Grade O in Minor 1 and Major 1** project at SoCS, UPES.

Placement Socket — *ReactJs based Web App*

A Web App to help Placement coordinators with various boring and monotonous tasks such as sign-up emails, Student databases, passing information, etc. during the placement season.

Technologies used: ReactJs, AWS (Lambda, S3, DynamoDb), Firebase

BloodCare — *Django based application*

A Web platform to help patients, hospitals, blood banks, and donors by minimizing time delay and unnecessary hassle by optimizing search of blood, communication, and blood bank databases.

A common system for hospitals, blood banks, donors and patients.

Technologies used: Python, Django, MongoDb, Heroku, Javascript

Notes — *VanillaJs based app*

A single page online Notes app.

Technologies used: Javascript, AWS Lambda, DynamoDb, HTML, CSS

PaytmGo — *pip install paytmgo*

A pip package to simplify integration of paytm payments in Django framework.

Technologies used: Python, Paytm API, Javascript

Warehouse Location Recommender — *VanillaJs based tool*

An online tool to calculate a location of minimum road distance from multiple different locations considering factors(weights) like monthly trips, cost, freight, etc. to know a desirable location for a new warehouse.

Technologies used: Javascript, Google Maps API, Geocoding, Distance Matrix, Map my India API.

File Lock Bank System — *Tkinter based desktop application*

A desktop Banking app to implement file locking protocols to handle concurrency control of database.

Technologies used: Python, Tkinter

College Enquiry Chatbot — *C based tool*

A command line keywords based chatbot for students where they can get information about college, courses, faculties, fees etc.

Technologies used: C,Python, Beautiful Soup 4, Hashing, Indexing