Adarsh Srivastava

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Education

Birla Institute of Technology & Science, Pilani - Goa Campus — Goa, India
B.E. (Hons.) Computer Science *GPA: 8.1* — July 2014 - Jul 2018

Work Experience

PayPal — Bangalore, India
Software Engineer 2 — Aug 2018 - Aug 2021

- Backend engineer working on a bunch of microservices handling PayPal's core payments traffic
- Designed and implemented a Spring Batch to send merchant reminders for KYC completion, leading to a 70% reduction in KYC drop-offs
- Lead for an integration project spanning several domains to implement 3DS2.0 in the unbranded product for Japan

PayPal — Chennai, India
Software Engineering Intern — Jan 2018 - Jul 2018

- As part of the regulatory compliance team, researched KYC automation options like government APIs and OCR for IDs, and built prototypes around them
- Designed and wrote a batch application to validate merchant business IDs periodically with an external service. Written in Java, using Spring and Hibernate

BITS Pilani CS department — Goa, India
TA for Principles of Programming Languages — Aug 2017 - Dec 2017

- Took lectures on tail recursion, Binding in languages, and Pub/Sub pattern. Prepared assignments and exams for students.

CSIR-Central Electronics Engineering Research Institute — Pilani, India
Research Intern — May 2016 - July 2016

- Trained an ML model to classify facial expressions based on camera input, to be used as an assistive tech for the visually challenged
- Used MATLAB, OpenCV and libSVM to extract features and train the model.

Skills

Languages:	Java, C++, Python
Technologies/Frameworks::	Spring, Hibernate, numpy, scipy, MATLAB
Relevant Courses Taken:	Linguistics, Information Retrieval, Artificial Intelligence, Cloud Computing

Projects

Facial Expression Classification System *MATLAB, OpenCV, libSVM*
github.com/adarsh0112/CEERI-PS1
Trained an ML model to classify any face detected in an image into one of 7 emotions. Used HOG and LBP for feature extraction, SVM for training. Achieved a 10-CV accuracy of 99.7% and test set accuracy of 97%. Learned how to preprocess data, perform feature and model selection, feature reduction, and the algorithms behind these.

Vendor Neutrality Verification in Brokered Cloud systems *Java, Cloudsim*
Hybrid cloud systems are being increasingly used to increase resiliency. This project aimed to find ways to verify the fairness of hybrid cloud brokers towards respective cloud service providers. I implemented the algorithms in Java and set up the simulated hybrid cloud using CloudSim. Came up with various fairness and unfairness strategies to test the robustness of the fairness algorithm.

Awards

National Talent Search (NTSE) Scholar — NCERT, Government of India
Awarded annually to top 1000 students all over India at school level, chosen through two levels of MCQ tests and one interview. — 2009

SPOT Award — PayPal
Awarded to contributors "going above and beyond" during their work at PayPal. I was recognised for handling multiple responsibilities while working on Rupay project on extremely tight deadlines. — 2020