PRIYANKA OJHA

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SUMMARY

An aspiring software engineer and a data science enthusiast eager to dive into real world problems and find solutions to unsolved mysteries of computer science domain. Moreover, I have worked on a research project on face detection and recognition at IIT Bombay during Summer 2019.

EDUCATION

C.T.A.E., Maharana Pratap University of Agriculture and Technology, Udaipur **7.81/10**
Bachelor of Technology in Computer Science and Engineering 08/2017 – present

Coursework: Design and Analysis of Algorithms, Data Structures, Operating System, Compiler Design, Database Management Systems, Java Programming, Discrete Structures and Graph Theory, Computer Networks, Unix and Shell Scripting, Object Oriented Programming, Theory of Computer Science, Computer Architecture

St. Mary's Convent Sr. Sec. School, Udaipur **90.6/100**
CBSE – Class 12th 05/2016 – 05/2017

St. Mary's Convent Sr. Sec. School, Udaipur **10/10 (Topper)**
CBSE – Class 10th 05/2014 – 05/2015

TECHNICAL SKILLS

Languages: Java, Python, C, C++, HTML5, CSS3, PHP, Unix Shell Scripting
Databases: MySQL, SQLServer, Postgres, Xampp
Platforms: GitHub, NetBeans, Eclipse, IntelliJ, Tensorflow, AWS

RESEARCH EXPERIENCE

Summer Research Intern, IIT Bombay *(Under the guidance of Prof. Vikram M Gadre)* **05/2019 – 07/2019**
Face Detection and Recognition System *[Neural networks, Python]*

- Completed the Summer Student Internship Program under the TEQIP (KITE) initiative of the MHRD, Govt. of India
- Studied and implemented Face Detection using Haar Cascade Classifier and Face Recognition using Eigenfaces and Invariant Scattering Convolutional Networks
- Compared the results obtained by using Eigenfaces and the Scattering Networks approach and generated the ROC and CMC curves with 94% and 95% respectively.
- Worked on the LFW (Labeled Faces in Wild) dataset and Yale face dataset for the above implementations

CERTIFICATIONS

- Data Structures and Performance issued by **University of California San Diego** through Coursera
- Algorithmic Toolbox issued by **University of California San Diego** through Coursera
- Java Programming : Principles of Software Design issued by **Duke University** through Coursera
- AWS Fundamentals : Building Serverless Applications issued by **Amazon Web Services** through Coursera
- Software Engineering Virtual Experience issued by **J.P. Morgan Chase & Co.** through InsideSherpa

ACADEMIC PROJECTS

Result Processing System *[PHP, Xampp Server]* **04/2020 – 05/2020**

- Developed a Result Processing System website for the college in PHP that calculates and provides the result of a student semester wise in marksheet format. Further connected the website with a database in Xampp server that stores the complete information of the student along with course details.

Minutiae Extraction from distorted fingerprint image *[Image Processing, Python]* **09/2018 – 10/2018**

- Studied about fingerprint classification and implemented it using python codes
- Enhanced the fingerprint image using Gabor Filter, then applied thinning on the enhanced image and extracted minutiae (ridge bifurcation and ending points) from the thinned image using python for fingerprint classification

POSITIONS OF RESPONSIBILITY

- Served as Teaching Associate in the conduction of the 'Active Learning Workshop' at IIT Bombay.
- Lead Student Coordinator of the Machine Learning Club at CTAE Udaipur.

AWARDS AND ACHIEVEMENTS

- Scored 85% in Java online test conducted under the Spoken Tutorial Project, IIT Bombay
- Secured 99% in CBSE Computer Science (Python) in class 12th
- Awarded General Proficiency Award for being the highest scorer in class 10th