

# PRIYANKA OJHA

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## SUMMARY

A Software Engineer and an aspiring Data Scientist eager to dive into real world problems and find solutions to unsolved mysteries of computer science domain. I have also worked on a research project on face recognition at IIT Bombay during summer 2019.

## EDUCATION

**C.T.A.E., Maharana Pratap University of Agriculture and Technology, Udaipur**

**8.17/10**

Bachelor of Technology in Computer Science and Engineering

08/2017– 08/2021

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

## TECHNICAL SKILLS

**Languages:** Java, Python, C, C++, JavaScript, Android, HTML, CSS, PHP, Unix Shell Scripting

**Frameworks:** Spring, Spring Boot, Spring Security, REST, JUnit, Mockito, Node.js, Express.js, Microservices

**Databases:** Redis, MongoDB, Firebase, MySQL, SQLServer, Postgres, Xampp

**Platforms:** Maven, Tomcat, GIT, NetBeans, Eclipse, IntelliJ, Tensorflow, Azure, AWS, Postman

## WORK EXPERIENCE

**Software Engineer (TCS Digital), Tata Consultancy Services Ltd. (TCSL), India**

**08/2021 – present**

- Developed and handled the API Gateway Service that facilitates user authentication for various TCS client projects.
- Created a chatbot service that provides personalized customer support experience without direct human interaction.
- Mentored trainee associates in “Java”, “Spring Boot” and “Spring Security”.

## RESEARCH EXPERIENCE

**Summer Research Intern, IIT Bombay (Under the guidance of Dr. 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 and generated the ROC and CMC curves with 94% and 95% accuracy respectively.

## ACADEMIC PROJECTS

Student Verification System [Image Processing, OpenCV, Python, PHP, CSS, Xampp Server]

**03/2021 – 06/2021**

- Developed an e-verification portal for the college which consists of an AI based attendance system that stores the attendance of the students in an excel sheet using face detection and recognition and also helps in verifying and filtering students based on the criteria setup by companies participating in college placement drives.

Pedalfit : A Cycle Rental App [Android, Java]

**07/2020 – 12/2020**

- Developed a mobile based application using android with java that includes Firebase and Google Map API which helps the user to rent a bicycle in their city.

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**

- 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

- Lead client demo session calls and also mentored associates in various training sessions while working at TCS.
- 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

- Winner of TCS Xpedition, a company-wide business skills competition conducted by TCS.
- Secured 99% in CBSE Computer Science in class 12<sup>th</sup>.
- Awarded General Proficiency Award for being the highest scorer and getting 10 CGPA in class 10<sup>th</sup>.