

PRIYANKA OJHA

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SUMMARY

Enthusiastic Computer Science graduate, with 2 years of hands-on experience. Adept at translating conceptual ideas into practical solutions, driven by a curiosity for emerging tech. Excited to leverage my coding proficiency, problem-solving prowess, and collaborative spirit to deliver innovative contributions within a dynamic team environment.

EDUCATION

Arizona State University, USA

GPA: 3.89

Master of Science, Computer Science

08/2023 - Present

Maharana Pratap University of Agriculture and Technology, India

GPA: 3.87

Bachelor of Technology, Computer Science and Engineering

08/2017 - 08/2021

Coursework: Distributed Database Systems, Foundations of Algorithms, Fundamentals of Statistical Learning, Neural Networks, Data Structures, Information Security, Operating System, Mobile Application Development, Compiler Design, Java Programming, Discrete Structures and Graph Theory, Computer Networks, Object Oriented Programming, Computer Architecture

TECHNICAL SKILLS

Languages: Java, Python, C, C++, JavaScript, Android, HTML, CSS, PHP

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, Mediapipe, Metavision, Tensorflow, Azure, AWS, Postman

WORK EXPERIENCE

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

08/2021 - 06/2023

- Spearheaded the development of TCS Cognix, an intelligent chatbot service delivering seamless end-to-end customer support.
- Achieved 90% accuracy in predicting disruptions and accelerated response time from 10 seconds to 2 seconds.
- Devised and implemented a resilient user authentication framework utilizing the OAuth2 protocol across a spectrum of TCS client projects within the Intelligent Automation team.
- Mentored 12 trainee associates in honing their skills across various areas such as Chatbot Development, User Authentication, Java, Spring Boot, and Spring Security.

RESEARCH EXPERIENCE

Project Volunteer, Active Perception Group, ASU (Under the guidance of Dr. Bharatesh Chakravarthi)

09/2023 - Present

Hand Gesture Recognition System [Computer Vision, Neural networks, Python, Mediapipe, Metavision]

- Led development of a neural network model with 96% accuracy on ASL dataset for hand gesture recognition using Mediapipe.
- Pioneering real-time event based recognition with Metavision SDK, advancing the field of computer vision technology.

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]

- Successfully concluded the Internship Program endorsed by the MHRD, Govt. of India, as part of the TEQIP (KITE) initiative.
- Proficiently executed Haar Cascade Classifier for Face Detection, as well as Eigenfaces and Invariant Scattering Convolutional Networks for Face Recognition.
- Applied these methodologies on LFW and Yale face datasets, leading to robust analysis with ROC and CMC curves indicating remarkable 94% and 95% accuracy.

ACADEMIC PROJECTS

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

03/2021 - 06/2021

- Created a college e-verification portal featuring an AI-based attendance system, utilizing facial detection and recognition to record student attendance and conduct background checks.

Pedalfit : A Cycle Rental App [Android, Java]

07/2020 - 12/2020

- Designed an Android mobile app using Java, Firebase, and Google Maps API, facilitating convenient citywide bicycle rentals.

DEMONSTRATED LEADERSHIP

- Contributed as Teaching Associate in organizing the 'Active Learning Workshop' at IIT Bombay, backed by the World Bank, with a focus on pedagogy, outreach, academic enhancement, and R&D to elevate the quality of technical education in India.
- Directed the Machine Learning club, guiding peers in ML and Data Science, and nurturing collaborative project endeavors.

ACCOLADES AND ACCOMPLISHMENTS

- Recipient of the prestigious TCS Gems 'Star Team Award' in recognition of exceptional contributions to the organization.
- Winner of TCS Xpedition, an enterprise-wide business skills competition hosted by TCS.