

# Arshdeep Singh Sachdeva

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## EDUCATION

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- **Arizona State University** AZ, US  
Master of Science in Computer Science Aug. 2022 – Jun. 2024
- **Punjab Engineering College** Chandigarh, India  
Bachelor of Technology in Computer Science; GPA: 7.9/10 Jul. 2016 – Jun. 2020

## EXPERIENCE

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- **OYO Rooms - Traum-Ferienwohnungen GmbH** Bangalore, India  
Web Development Engineer Aug. 2020 - Jul. 2022
  - **SEO:** By doing SEO optimizations like having more HTML data on initial page load for google bot to crawl, improved the average ranking of the region pages of the website from 7.5 to 4.3 on *google.de*, CTR(Click-Through-Rate) from 2.8% to 4.7%, and Impression by 182%.
  - **Page Optimization:** By performing page optimizations like removing unused Javascript, carousel lazy loading, intersection observer using debouncers, static SVG's as components, image and text compression, improved the overall page performance from around 23 to 82. Web vitals such as FCP(First Contentful Paint) went from 4.2s to 1.2s, and Largest Contentful Paint(LCP) went from 12.2s to 1.5s.
  - **Map View:** Map view page was redesigned for showing homeowners' properties on Google Map. Previously it was implemented in PHP templates; then, we developed it in NextJS for better performance. It included clustering of the properties using Google's Marker Clustering API. It has improved the user conversion rate from 6% (only on desktop) to 18% (for all devices, including desktop, tablet and mobile).
  - **Tracking:** Added AB testing tools like Kameleoon and Google Analytics to track various features implemented on the website. Integrated and measured the third-party ad campaigns like *Userwerk* and *Sovendus* using them.
  - **Listings Page:** Redesigned homeowners' listings page with additional features like infinite scroll functionality and filters. This improved the overall user experience.
- **OYO Rooms** Bangalore, India  
Software Development Intern Jan. 2019 - Jun. 2019
  - **OYO Life:** Developed features for the OYO Life website and mobile application using ReactJS along with Redux and React Native. Optimised the code quality by using linting tools such as ESLint. Suggested the use of React Hooks, Storybook and performance measuring tools such as Lighthouse, which improved the code quality.

## PROJECTS

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- **Twitter Clone:** Twitter clone made in Android using Twitter API
- **Othello:** Othello 2 player game developed in Android
- **Weather App:** Web application to display weather of location made using ReactJS.
- **Cloud Virtualization:** Virtualized cloud Express server stress testing via measuring its throughput and CPU usage.
- **Phone Directory:** Phone directory implementation using Hashmap and Trie data structure.
- **Drowsy Driver:** Drowsiness detection Python application made using OpenCV and Dlib.

## ACHIEVEMENTS

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- **Competitive Coding:** ICPC regionalist, Codechef Snackdown, CodeRush 2.0 winner by IEEE PEC.
- **Awards:** Regional Mathematical Olympiad(RMO), Group Mathematical Olympiad(GMO) CBSE.
- **Open Source:** Contributor in Hacktoberfest by Digitalocean (2020, 2021).

## CERTIFICATES

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- Full-Stack Web Development with React(3 Course Specialization), Android app development(Envision) - Coding Ninjas
- AWS Cloud Technical Essentials
- Deep Learning - DeepLearning.AI(5 Course Specialization), Fundamentals of Reinforcement Learning, Natural Language Processing with Classification and Vector Spaces

## PROGRAMMING SKILLS

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- **Languages:** Javascript, HTML, CSS, C++, Express, Java
- **Technologies:** React, Next, AWS, SEO