

# ASTHA PANDEY

Software Developer

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## EDUCATION

**Madan Mohan Malaviya University of Technology**

**Jul 2017 - Jul 2021**

*Bachelor of Technology in Computer Science & Engineering (CGPA - 7.90/10)*

*Gorakhpur, UP, India*

**Courses** : Software Engineering, Data Structures, Web Design, Databases, Machine Learning, Cloud Computing, Operating Systems

**City Montessori School**

**Jul 2001 - Jul 2016**

*Intermediate (Percentage - 95.0)*

*Lucknow, UP, India*

## TECHNICAL SKILLS

**Languages:** C++, Java, JavaScript, SQL, Spring, Hibernate, ReactJS,

**Platform Frameworks:** TypeScript, Spring MVC, ReactJS, NextJS, TailwindCSS, REST API, Firebase

**Database and its Management:** MySQL, MongoDB, Neo4j

**Developer Tools:** Linux, Azure, VS, AWS, SQLDeveloper, SparkAR, Blender, Git

**CS Fundamentals:** Operating Systems, Data Structures, Algorithms, Database, OOP Concepts

## EXPERIENCE

**Tata Consultancy Services** | *Java, Spring, Hibernate, ReactJS, JUnit*

**Aug 2021**

*Software Engineer (Full-time)*

*Bangalore, KA, India*

- Developed critical sections like **Pricing & Workflow** which helped to **increase** customer acquisition by 40%.
- Optimized the code queries in Hibernate resulting in fast processes with increased speed by a **factor of 10**.
- Implemented bugfixes using an **agile methodology** which reduced the system downtime by over 30%.
- Created QR-code generator with JavaScript to improve efficiency of client workflow in authentication by factor of 10.
- Performed Unit Testing and **improved the code coverage** to **89%** to minimize bugs.

**School of Innovation by Facebook** | *Blender, Javascript, SparkAR, Android*

**Mar 2020 - Jun 2020**

*Augmented Reality Development Intern (Part-time, Contractual)*

*Remote*

- Created an application to show **visual make-up trial using 14 motion sensing filters** with positioning .
- Used SparkAR and JavaScript and implemented texture-change with respect to focus using three.js library .
- The application **increased the user time spent** on the app by more than **35%** suggestively.

## ACADEMIC PROJECTS

**Go-BnB** | *NextJs, TypeScript, TailwindCSS, React, MongoDB, HTML, JS* [\[visit\]](#)

**Dec 2022**

- Built a responsive website as a clone of AirBnB concept , helping in rentals and bookings.
- Used React libraries for enhanced user experience and made authentication features linked with users google account .
- Used Next.js to provide faster loading time and used TypeScript to prevent any errors, helping customers choose optimised plans for their rentals.

**Sociaux-de-Paris** | *ReactJs, TypeScript, TailwindCSS, Bootstrap4, JS, HTML ,Firebase* [\[visit\]](#)

**Nov 2022**

- Implemented News Feed to make a communication system of posting updates about paris of authenticated users .
- Used Tailwind for mobile-responsive utility and Firebase as a backend to provide scalable system as per traffic .

**Twitter Sentiment Analysis** | *Python, NLTK, Search Engine, Web Crawlers, Pandas*

**Apr 2021**

- Designed model to predict the polarity of a given text and throw an alert if tweets were provocative statements.
- Created model using Unigrams/Bigrams & predicted the polarity of a tweet with an accuracy of 89.6%.
- Played a significant role in identifying infuriating statements made during the Delhi riots in 2020.

**QR-Code Generator** | *JavaScript, TailWind* [\[visit\]](#)

**Dec 2021**

- Designed an responsive QR- Code generator, that gives custom sized codes on being fed th URL.
- This project was developed to improve the client efficiency and improved user satisfaction .

## ACHIEVEMENTS & EXTRACURRICULAR

- **Teaching Assistant at Ironhack ,Paris** for Programming Fundamentals course and solved doubts of 80+ students
- Taught and solved doubts about Data Structures as a **Teaching Assistant** at Coding Ninjas.
- Former **President** and **Treasurer** at Entrepreneurship Cell, MMMUT, and conducted hackathons and coding classes.
- **NTSE** scholarship awarded by Government of India where I ranked among the top **0.2%** of all participants .
- Codeforces **Specialist** (Best Rating 1425).