Satyam Bohra
Software Development Engineer
Agra, Uttar Pradesh, India

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EDUCATION

- **Indian Institute of Technology, Delhi** — *2018-2022*
  Bachelor of Technology in Electrical Engineering — CGPA: 6.854
- **St. Queen Mary's Public School, Agra** — *2017*
  XII - Central Board of Secondary Education(C.B.S.E) — Percentage: 84.20
- **Jawahar Navodaya Vidyalaya, Agra** — *2015*
  X - Central Board of Secondary Education(C.B.S.E) — CGPA: 9.8

EXPERIENCE

- **Eightfold AI | FullStack Developer** — *May 2024 - May 2025*
  - Implemented **Career Navigator** feature using **python** and **react** that recommends career path progression based on skills and job
  - added some audit logs at the **db interceptors** for Project feature when it's status is changed
  - Implemented archive feature and sending email notification for program and project feature

- **OLA Electric | Software Development Engineer 1** — *June 2022 - Dec 2023*
  - Spearheaded the design and implementation of the multiprofile feature, enabling over 4 lakhs customers to seamlessly use multiple scooters through the app via **RESTful** web services and **functional interfaces**
  - Successfully developed the Edit Profile feature for Ola scooter app users, utilizing **Apache Kafka** for efficient data streaming
  - Innovatively designed and implemented a dynamic User Experience video feature, leveraging **MQTT** communication tools to educate Ola electric users both on the app and scooter
  - Responsible for developing high volume low latency application and delivering high availability and performance
  - Played a pivotal role in the design discussions for MOVE OS 4 cloud BE for 2W Electric, contributing to the architectural decisions
  - Led comprehensive optimization initiatives, meticulously improving **heap memory** utilization and fine-tuning network calls across more than four production microservices. Notably, achieved an outstanding **80%** reduction in API response time for critical APIs
  - Introduced **Junit Testing** into Ola EV Backend microservices, ensuring robust testing practices and enhancing overall software quality.

PROJECTS

- **Machine Learning Applicaion to Modern FECs** — *June 2022 - Dec 2023*
  - Setting up decoder as a Machine Learning algorithm to implement modified neural **belief propagation algorithm**
  - Improved performance of **LDPC** decoders in the error-floor region and trained neural decoders for larger codes
  - Implemented new Syndrome based output layer for neural error correcting decoders, which takes code structure into account

- **Encryption And Decryption Of Image** — *Oct 2019*
  - Used **RSA** algorithm to find the public and private keys
  - Used **Descrete Fourier Transform** to encrypt the images and inverse Discrete Fourier Transform to decrypt the images

TECHNICAL SKILLS AND INTERESTS

- C++, Python, Java, React, Flask, Data Structures and Algorithms, Github, MySQL, Cassandra, ScyllaDB, Firebase
- Spring boot, Micro-services, REST APIs, Apache Kafka, MQTT, Hazelcast, Redis
- Soft Skills: Problem Solving, Self-learning, Reading

ACHIEVEMENTS

- Secured All India Rank **360** in **JEE Advanced** 2018 among selected 2 lakh candidates out of 15 lakh candidates
- Achieved max rating of **1928** at **Codechef** competitive programming platform
- Secured All Indian Rank **761** in **JEE Mains** 2018 among 15 lakhs candidates

POSITIONS OF RESPONSIBILITY

- **Captain of Table Tennis Team** Udagiri Hostel - IIT, Delhi — *March 2019 - April 2020*
- **Academic Mentor** Mechanics - IIT, Delhi — *Jan 2020 - April 2020*