

AMAN MAHANSARIA

Gender: Male

M.Tech CSE

National Institute of Technology

Tiruchirappalli, India

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Linguistic Proficiency: English, Hindi

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Educational Qualification:

Degree/ Examination	Year of Passing	School/Institute	Board/University	Percentage / CGPA
M.Tech (Computer Science and Engineering)	2021*	National Institute of Technology, Tiruchirappalli	National Institute of Technology, Tiruchirappalli	8.76
B.Tech (Information Technology)	2017	Maulana Abul Kalam Azad University of Technology, Kolkata	Maulana Abul Kalam Azad University of Technology, Kolkata	8.32
Class XII	2013	Sri Aurobindo Institute of Education, Kolkata	Indian School Certificate, Kolkata	85.1
Class X	2011	National English School, Kolkata	Indian Certificate of Secondary Education, Kolkata	88.1

Work Experience:

- **Technical Staff Consultant at Oracle Financial Services Software** *Sept 2017 –July 2019*
 - Designed and developed customization on the business logic of Oracle's core banking platform.
 - Configured Golden Gate in the production environment for replication of data between different instances of heterogeneous database.
 - Performance tuning of different banking processes by implementing algorithmic changes.
 - Involved in setting up Jenkins for the entire team as a CI tool as part of Continuous development and deployment process.
 - Prepared and reviewed functional and technical documents for business requirements.

Project Work/ Internship Experience:

- **Text AutoCorrection** *Jul 2020-Jul 2020*
 - Build a model which corrects spelling error in the text using seq2seq encoder-decoder architecture.
 - Trained model achieved a **BLEU** score of **0.9045** and an **accuracy** of **82.45%** on test data.

- **Online CollabCodeEditor** *Apr 2020-Apr 2020*
 - Developed a collaborative real-time code editor and compiler that allows user to test and run code in a real-time collaborative environment.
 - **Pusher** Channels were used to achieve real time collaboration and **Judge0** API was used as a sandbox for compilation and execution of the program.
- **Decentralized ToDo Application(dApp)** *Nov 2019-Nov 2019*
 - Built a blockchain-based decentralized ToDo web-application using Solidity to create smart contracts and deployed on Ropsten Ethereum network.
 - Used **Ganache** as a local blockchain network and **Metamask**(chrome extension) to connect to the blockchain network.
- **Parallelized Convex Hull** *Dec 2017-Dec 2017*
 - Achieved a speed-up of around **1.15x** in the execution time of the Quick Hull algorithm on an Intel i5 4 core processor using **OpenMP** in C++.
 - Reduced parallel overhead by avoiding large critical section and maximizing parallel regions rather than using only single parallel region.
- **On Securing Communication from Profilers** *July 2016-Aug 2016*
 - Developed an Email client that provides end-to-end security. The application guarantees security against non-human profilers and is constructed using CAPTCHAs and secret sharing schemes.
 - Used **MD5** hashing and **RC5** encryption algorithm.

Technical Skills/ Certifications:

- Programming Languages : C/C++, JAVA, Python.
- Engineering Software : Jenkins, SVN, GIT.
- Certifications : Oracle Certified Associate - Java SE8 Programmer.

Academic Achievements and Co-Curricular Activities:

- ACM ICPC Multisite Regionals Contestant.
- Secured 5th position at Microsoft Artificial Intelligence Hackathon organized at IIT Kharagpur.

Extracurricular Activities:

Positions of Responsibility:

- **Mentor at Oracle Buddy Program** *May 2018-Oct 2018*
 - Responsible for mentoring and guiding fresher's joining Oracle on 2018.

Social Activities:

- **Volunteer at TheSaviours** *Jul 2016-Present*
 - Organizing Blood Donation Camps.
 - Registration of people for voluntary blood donation.