

LAVISH

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Education

Indian Institute of Technology, Bhilai, India

2019 - 2023

- Bachelor of Technology in Computer Science and Engineering | CGPA: **8.25**

Lucknow Public School, Lucknow, India

2019

- ISC (Class XII), Aggregate: 94.8

Lucknow Public School, Lucknow, India

2017

- ICSE (Class X), Aggregate: 93.4

Skills

C++ | C | Java | Python | HTML | CSS | JavaScript | PHP | React | Git | SQL Server | Tensorflow | Pytorch | Numpy | Pandas |
Transformers | Deep Learning | Docker | Flutter

Work Experience

UIDAI | Technical Executive

Jul'23

- Working on the frontend development of a cross platform application using technologies like **Flutter**, **Fastlane** and **Jenkins**.
- It would replace numerous existing applications on Desktop, Android and iOS combined into one, reducing the load by about **60%** to maintain the codebase.

MAQ Software | Summer Intern

May'22 - Jul'22

- Worked on the internal tools of the organization with technologies like **React**, **SQL Server**, and **C-sharp**.
- Designed new features, which reduced the workload of managers by **40%** and resulted in a more robust attendance system.

Projects

Next Word Prediction

Nov'21

A [Next word prediction model](#) with transformers architecture which can predict the next word based on the given sequence of words.

- Used **SimpleTransformers** library (based on Hugging Face's **Transformers**) and fine-tuned a GPT-2 model using project **Gutenberg** data.
- Achieved an **evaluation loss of 3.68** and a **perplexity of 39.58**, indicating the model's ability to predict the next sentence.

Grammar Corrector

Nov'22

A [Grammar corrector model](#) made using the method of transfer learning.

- Employed the **T5 model** from Google to train on the **C4_200m dataset** from kaggle, which contains **185 million sentence pairs** for grammar correction.
- Achieved a **training loss of 0.773** and an **evaluation loss of 0.625**, indicating effective learning and performance of the model in correcting grammar errors.

Positions of Responsibility

Epsilon / Robotics Club | Core Member

May'20 - Apr'21

- Contributed to various online events conducted across the year

National Service Scheme | Executive

Jun'21 - May'22

- Management of Paper Bag activity, in which approximately **50 students** made **150 bags**.
- Conducted an activity to teach workers how to make paper bags for their supplementary income.

National Service Scheme | Web Developer

May'22 - May'23

- Management of the website of NSS IIT Bhilai, used by approximately **300+ students** to view their hours.
- Worked on technologies like **PHP**, **HTML**, **CSS**, **javascript**, and **Docker**.