

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 .	