

Debarghya Datta

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Education

Indian Institute of Technology, Bhilai

📅 July 2022-Present

M.Tech in Computer Science and Engineering CGPA 9.75/10.00 (Sem I)

- **Relevant Course:** Machine Learning, Natural Language Processing

Kalinga Institute of Industrial Technology (KIIT)

📅 June 2021

B.Tech in Computer Science and Engineering CGPA 9.22/10.0

- **Relevant Course:** Data Structures, Big Data, Computer Architecture, Compiler Design, Operating System, DBMS, Computer Network;

Aditya Academy Senior Secondary

📅 June 2017

AISSCE: 85%

Skills

- **Programming:** Python (sklearn, pytorch, keras, tensorflow), C, C++, Java, SQL, Posix;
- **Markup:** \LaTeX , HTML, CSS, Markdown;
- **Software:** Git, Linux (OS);

Work Experience

Tata Consultancy Services (TCS)

📅 May 2021-July 2022

Systems Engineer (Testing)

- Functional Testing of E2E features
- Automated manual test scenerios
- Identified quality issues and created test reports

HighRadius

📅 Apr-June 2020

Tech Intern

- Completed a full stack software project
- One of the Top performers in the Internship

Chegg.Inc

📅 Feb 2020

Subject Expert

- Giving answers to the subject questions on the field of Computer Science
- They are being rated by many of students from USA

Projects

College Queries Chatbot

 Nov 2022

- Corpus - Based on IIT Bhilai website.
- QA dataset - We have created a custom dataset which includes the FAQ of IIT Bhilai.
- Baseline - word vectors (Word2Vec, FastText)
- BERT Model - Using the custom dataset, fine-tuned the BERT model on MLM task.

Drowsiness Detector with CNN and OpenCV

 June 2020

- Implemented a Deep Convolutional Neural Network to detect the faces.
- Detected the eye position.
- Used the Real Time Blink Detection for drowsiness of the driver.

Partial Payment Amount Predictor for Invoices

 Apr-June 2020

- Predict the first partial payment.
- Testing Different models like:
- Polynomial Regression
 - SVR
 - Decision Tree
 - XGBoost

Certifications

- **Machine Learning:** Coursera
 - **PadhAI - Data Science:** PadhAI (OneForth Labs)
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