Shashank **Sharma**

Computer Science Engineering · Pre-Final Year

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Summary

Collaborative and eager to learn computer science student searching for internship opportunities in the field of Machine Learning, Data Science, and Software Development. Highly motivated to contribute to the overall growth of the company, as well as learn from other experts in these domains.

Education

Bennett University,Greater Noida — *Greater Noida, India*

B.Tech in Computer Science Engineering (Current CGPA:9.1) — *OCT. 2020 - JUN. 2024*

- Got a letter of Appreciation for being in top 3% of class of 2020-24

Army Public School,Noida — *Noida, India*

CBSE Class XII — *2019*

- Aggregate-92.3%

Army Public School,Noida — *Noida, India*

CBSE Class X — *2017*

- Aggregate-10 CGPA
- Got a letter of Appreciation for distinguished Academic Performance in class 10th

Projects

CSite — *Github*

Website for recommending courses to beginners in Computer Science — *Nov. 2021 - Dec. 2021*

- A dynamic website that recommends student various high quality free to access courses and learning resources to help them with their studies
- Required/Gained knowledge of HTML, CSS, JavaScript.
- The backend was made in Python using Django framework and the database used was firebase which required knowledge of working with APIs.

Prediction of Bankruptcy in MSME sector — *Github*

Exploratory Project and Academic research — *OCT. 2022 - DEC. 2022*

- The research was exploratory in nature and designed to appraise the efficacy of the application of Artificial Intelligence models like - BPNN (Back Propagation Neural Network), PNN (Probabilistic Neural Network), RBFNN (Radial Basis Function Neural Network), GRNN (Generalised Regression Neural Network), and Decision Trees to predict whether a company under MSME category will get bankrupt in the near future or not using relevant financial ratios.
- The usage of financial ratios helped reducing heteroskedasticity from the dataset.
- For predicting the financial status of firms in future, memory-based models like LSTM (Long Short-term memory), RNN (Recurrent Neural Networks), or GRU (Gated Recurrent Units) will be deployed.

License Plate Detection and Recognition in Unconstrained Scenarios — *Github*

Personal Project — *Apr. 2021 - Jun. 2021*

- This System can detect, identify and convert the License-Plate into Text from an image, video, or a live feed.
- Required/Gained Knowledge of ML, DL, Computer Vision, ResNets, and YOLO Models in Python Language.
- Classic YOLO object detection was used to detect the Plates faster. Custom labeled the dataset and applied the YOLO algorithm for letter segmentation rather than traditional techniques.
- English OCR was designed that gave a sturdy 96% accuracy, better than other internet OCRs.

Achievements & Postions Of Responsibility

OCT.2022	**Code Debugging Competition**, Secured 4th position out of 50 participants
OCT.2022	**GeeksforGeeks Assessment**, 47th rank in the class of 2020-24
SEP.2022	**COMP-A-THON**, Qualified into top 25 out of 200 teams
SEP.2022	**Letter Of Appreciation**, For being in top 3% of class of 2020-24
OCT.2020	**Treasurer- Techtonix** , Robotics Club in Bennett University.Responsible for finance of the club and various events.Persuaded the University for a dedicated robotics lab.
	2* at CodeChef, Rated- 1431 Max under the Id "e20cse419"

Skills and Interests

Programming Languages and Paradigms

Languages and Paradigms

- C,C++,Python,JavaScript,HTML,CSS
- Object Oriented Programming, Procedural Programming.

Tools and Frameworks

Libraries and Software's

- Tableau, Mongo DB, MySQL, Keras.
- Django, Tensor flow, OpenCV, Git.
- Docker,Heroku,NodeJS.

Areas of Interest

Software Fields

- Data Structures, Algorithms, Machine Learning, Data Science, Competitive Programming,Full Stack Development,High Performance Computing.