PREETHI KURRA

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EDUCATION

Northeastern University, Khoury College of Computer Sciences — Boston, Massachusetts
Master of Science in Data Science — Expected May 2023
- Relevant Coursework: Supervised Machine Learning, Data Processing and Data Management

Gandhi Institute of Technology and Management — Visakhapatnam, India
Bachelor's of Technology in Computer Science and Engineering — May 2019
- Relevant Coursework: Database Management System, Programming with C, C++, Java, Algorithms, Object Oriented Programming, Data Mining and Data Warehousing, Machine Learning

WORK EXPERIENCE

HIL LIMITED — Hyderabad, India
Associate Software Engineer — June 2019 - July 2020
- Conferred with leading project managers and other stakeholders to smoothly build 7 end-to-end software applications by understanding design specifications, planning optimal development strategies, recommended improvements
- Conducted root cause analysis of production system failures to minimize future errors and optimize operations reducing time taken for each project by 56%

NICHEAI PRIVATE LIMITED — Hyderabad, India
Intern — May 2018 - June 2018
- Developed an image annotation web tool, resulting in a reduction of 20% average time to prepare training data for deep learning models
- Revamped existing user interface by adding tags to existing data, capturing co-ordinates of object location points, and added additional functionality to tool using HTML5, JavaScript, and CSS

TECHNICAL KNOWLEDGE

Programming Languages: Python, R, C, SQL, Java, SAP ABAP
Technologies: HTML, CSS, JavaScript, Keras, Tensorflow
Certifications: IBM Data Science Certification, Lean Six Sigma Yellow Belt

PROJECTS

HOSPITAL STAY PREDICTION — Boston, MA
Northeastern University — September 2021 - December 2021
- Developed a healthcare management platform to predict the patient length of stay and understand ways to improve the efficiency of patient flow, mainly during covid times. It is estimated to enhance the average time per patient by 62%
- Demonstrated Random Forest, XGboost, and CatBoost for prediction. 3 evaluation metrics considered are accuracy, precision, and recall

IDENTIFICATION CARD INFORMATION EXTRACTION — Visakhapatnam, India
Gitam University — January 2019 - May 2019
- Led a team of 4 members to develop a real-time OCR application for identification cards. Utilized template-based data extraction process to extract meaningful information from the output of Pytesseract
- Utilized OpenCV2, Pytesseract, PIL, and Scikit-Learn

ADDITIONAL INFORMATION

- *GRADUATE TEACHING ASSISTANT:* Mentored a group of 85+ students providing technical assistance in class and lab
- *FIRST PLACE IN HACKATHON:* Received first place in Data Science hackathon with best accuracy in prediction model
- *NSS VOLUNTEER:* An active volunteer for national service scheme to serve 120+ underprivileged kids