

CHAITANYA SHEKHAR DESHPANDE

Bloomington, IN

[812-369-0797](tel:812-369-0797)

deshpandec998@gmail.com

[linkedin.com/in/chaitanya-deshpande](https://www.linkedin.com/in/chaitanya-deshpande)

github.com/ChaitanyaD20

EDUCATION

Indiana University, Bloomington

Master of Science in Computer Science (GPA: 3.7)

Jan 2021 – Present

Bloomington, IN

Savitribai Phule Pune University

Bachelor of Engineering in Computer Engineering (Grade: First Class with Distinction)

Jul 2013 – Jun 2017

Pune, India

TECHNICAL SKILLS

Programming Languages: Python, Java, HTML/CSS, JavaScript, C

Databases: MySQL, MongoDB

Other Technologies: Bootstrap, Node.js, Express.js, AngularJS, ReactJS, REST APIs, Django, Microservices, Docker

EXPERIENCE

Indiana University

Associate Instructor

Aug 2021 – Present

Bloomington, IN

- Mentoring and managing 40 students for a Project-based course: Applied Machine Learning, with an in-depth understanding, applications, and projects of Machine Learning Algorithms.

Luddy Artificial Intelligence and Experience Lab for Eli Lilly and Co.

Artificial Intelligence Project Intern

May 2021 – Jun 2021

Bloomington, IN

- Automatically generated summary of adverse effects of different medicines using XML data from DailyMed dataset using Natural Language Generation algorithms- Transformers, BART, BERT, GPT-2, and T5, reducing the time required to study adverse effects for Clinical trials by 60%.
- Developed an algorithm for evaluating the number of patients considered for study in a clinical trial along with BART algorithm from the XML files of the DailyMed dataset giving 87% accuracy.

Cognizant Technology Solutions

Software Engineer/Administrator

Nov 2017 – Dec 2020

Pune, India

- Innovated, designed, and developed a Full Stack Web Application- Automated Solution Provider and Fault Identifier using HTML, JavaScript, Node.js, Express.js, AngularJS, MySQL with REST APIs, which automated monotonous tasks, boosting up collaborative team efficiency by 30% per day.
- Conceptualized and implemented a Python-based Data Analytics and Machine Learning Software to predict the number of future requests/workload from weekly statistics which ensured at least a minimum number of resources to be present for work, causing no delay in client deliverables, and reduced the team management's manual report generation time, effort, and resources approximately by 70%.
- Mentored, supervised, and directed Nearshore and Offshore colleagues with daily SAP Transport Management tasks, thereby ensuring smooth delivery and amplifying team productivity during the project transition phase.

Persistent Systems Ltd.

Software Engineering Project Intern

Jul 2016 – Jun 2017

Pune, India

- Scrum Object-Oriented Software Engineering Desktop-based application in Python- Context-based Content Summary Generator using Cosine Similarity Algorithm for Natural Language Processing, where users were able to control the summary of a document, image, and a Wikipedia page, based on their requirement.

PROJECTS

Obesity Level Estimation and Health Recommendation System

Feb 2021 – Apr 2021

- Accomplished a Full Stack Machine Learning application to estimate Obesity Level using Multiclass Classification based on Obesity Dataset using Python, ReactJS, Node.js, MongoDB, Express.js with REST APIs stepping up the accuracy to about 97%.
- Provided a Health Recommendation System for different age groups to ensure that they are in the Normal Weight category, which would help people to ensure proper lifestyle habits.

Road Trip Planner

Mar 2021 – Apr 2021

- Engineered a Python-based Artificial Intelligence Road Trip planner application to help travelers, using a Heuristic algorithm that returned accurate transport routes between 2 cities in the USA based on time, distance, highway numbers, and safety, based on human requirements.