

ZUBIN LADWA

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EDUCATION

University of North Carolina, Charlotte, NC

Graduation: Dec 2022

Master of Science in Computer Science

Relevant Courses: Algorithms & Data Structures, Computer Communication & Networks, Database Systems, Knowledge Discovery in Database, Intelligent Systems

Gogte Institute of Technology, Belgaum, Karnataka, India

Aug 2015- May 2019

Bachelor of Engineering in Information Technology CGPA: **7.39/10**

TECHNICAL SKILLS

Programming Languages/Databases: Python, C, MySQL, HTML5, CSS3, JavaScript,

Technologies/Tools: PyCharm, Visual Studio, Anaconda, Data Structures and Algorithms, Pandas, Numpy, Matplotlib, Git

Operating System: Windows and MacOS

PROFESSIONAL EXPERIENCE

Tata Consultancy Services

July 2019 - May 2021

Software Engineer

Pune, Maharashtra

- Worked as a **software developer** on the Visual-Studio Project to develop features of the VS studio and to make them accessible to the users based on the accessibility requirements.
- Developed **python** scripts with different libraries on **PyCharm** to make the features of the VS code accessible.
- Worked as an **Accessibility Test Engineer** at Tata Consultancy Services, Pune. My duties were:
- To test and detect accessibility issues in Microsoft products and features. Worked on more than 100+ products/features of Microsoft. Managing and representing the team in story grooming and sprint planning sessions.
- To work closely with the developer team to resolve the issues to make the products fully accessible and compliant which were used by more than 100,000+ users.

Tech Mahindra

Jan 2019 – April 2019

Software Developer Intern

Pune, Maharashtra

Project: *Automation of Event Management Website Using Chat-bot framework*

- Developed **python scripts** to convert unstructured data given my client into structured format such as **JSON** and **CSV** format using **python scripts** and Py functions like **RegEx**.
- The structured data was then supplied into a Chat-bot framework that is tailored to the client's requirements.
- The chat-bot was trained on the data and the output was precise, and the Chat-bot performed as expected by the client.

Project: *Language Translator Research Project using NLP*

- Developed a "**Sanskrit language translator**" which was an **NLP** based research project.
- We used the **Keras model** package in **python** to develop an **RNN model** that was trained on a "Mahabharata" data set with over 1.8 million words.
- We were successfully able to attain a **72.5%** accuracy rate, and this is still an ongoing research project at Tech Mahindra. Pvt. Ltd.

ACADEMIC PROJECTS

Prediction Analysis for Songs that can win a Grammy Award

Oct 2021 - Dec 2021

- Developed a prediction analysis for songs that can win a Grammy Award based on song attributes (Dance-ability, Energy, Tempo, etc.) using **data preparation, data preprocessing and Machine Learning Methods**.
- Applied various **Machine Learning** models such as **Random Forest**, **Decision tree** and **Deep Neural Networks** to predict which song can win a Grammy based on different song attributes and were able to attain an overall accuracy of **72.6%**

Developed Website for the College Hostel

Sep 2017 - Nov 2017

- Developed a website for the college hostel using **HTML5, CSS3 and JavaScript** as frontend and **MongoDB** as backend.
- The website allowed the students to select and book rooms and also pay the hostel fees via integrated payment gateways.

Parallax Website

- Developed a simple Parallax effect website with my biographical information and other career-related information.
- The website was developed purely on **HTML5 and CSS3**.

CERTIFICATIONS

- Completed my certification in **Mobile App development**
- Completed my certification in **Python** via Udemy
- Completed **Python course in Data Science** via Data Camp
- Completed my **Cambridge English B1 Business Preliminary (BEC)** Certification.