

Anamika Lochab

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EDUCATION

Vellore Institute of Technology, Bhopal

Bachelor of Technology in Computer Science and Engineering

07/2018 – Present

MP, India

- **CGPA:** 9.4/10

Rishikul Vidyapeeth, Central Board of Secondary Education

Senior Secondary

2016 – 2017

Haryana, India

- **Percentage:** 91.80%

Rishikul Vidyapeeth, Central Board of Secondary Education

Secondary

2014 – 2015

Haryana, India

- **CGPA:** 10/10

SKILLS

Java, Python, C, C++, JavaScript, R, HTML/CSS, App Development, Data Structures, Data Analytics, Machine Learning, Statistical Mathematics, Applied Mathematics, SQL (PostgreSQL, MySQL)

WORK EXPERIENCE

SmartBridge Educational Services Private Limited

Externship

07/2021 – 07/2021

- Applied data science powered by IBM.
- Created a website to detect and predict e-payment phishing websites using IBM Watson.
- Gained practical Python skills and applied them to data analysis.
- Learned DevOps fundamentals, Agile training modules, and design thinking.

Excavate Research and Analysis

Summer Internship

04/2019 – 06/2019

- Worked on dynamic real-time web development in Angular.
- I was responsible for statistical weighting and data automation in Aspose cells in C# for various clients like Orange mobile company, VEON Bangladesh, and Banglalink.
- Aided in various survey data analysis using SPSS.
- Drafted documentation on data automation for future interns.

PROJECTS

Web Phishing Detection Using IBM Watson

07/2021 – 08/2021

- Deployed supervised machine-learning algorithms using Python libraries and packages in order to detect phishing websites to protect users from the dynamic nature of phishing URLs.
- Logistic regression gives 91.67% accuracy for detection.
- In this Python flask application, the URL is taken from the HTML page and it is scraped to get the different factors or the behavior of the URL. These factors are then given to the model to know if the URL is phishing or safe and the result is sent back to the HTML page to notify the user.

Never Drown

03/2019 – 05/2019

- Created a static app using HTML, CSS, and JavaScript.
- Tutorial app to spread the word about drowning, and to increase awareness to save lives.

COURSE PROJECTS

AidQuest

09/2021 – Present

- A website containing an array of different games that can help people with ADHD, and other lack of attention problems by improving focus, visual-spatial skills, and problem-solving abilities.
- Trains children with ADHD through games like Picture Puzzle game, Memory games.
- ML based analysis on game data of each player regularly based on ADHD and non-ADHD dataset.
- Tracks progress and improvement in users.

Real-Time Sign Language Detection

01/2021 – 03/2021

- Built an end-to-end custom object detection model that allows us to translate sign language.
- Worked with Tensorflow object detection and OpenCV for real-time detection.
- Trained and tested with final results at loss value 0.15.

Text to Speech

09/2020 – 10/2020

- Helped develop text-to-speech converter for visually impaired as a member of a team.
- Developed in Python and uses IBM Watson's speech synthesizer to read out text.
- Created an email bot and added it to this app to read-out unseen emails.

Voice Assistant

07/2020 – 08/2020

- Helped develop a voice assistant for visually impaired as a member of a team.
- Speech Recognition library in Python is used for performing speech recognition online and offline.
- Converts speech into text using Google Cloud Speech API.
- Uses pyttsx3 TTS library to answer the user.
- Able to access platforms like Google, YouTube, StackOverflow, Wikipedia etc.

Stray Ping

01/2020 – 04/2020

- Developed an android app in Java through which users can submit images of stray animals to municipal corporations to get the animals sent to nearest shelters and used Firebase to store user information.

Teacher's Toolkit

08/2019 – 10/2019

- Application to handle student, teacher data and help teachers in daily classroom activities, work, projects using Tkinter.

Others

- Morse Code Decoder with Arduino UNO
- Fake News Analysis with Machine Learning using R
- DC motor speed and direction controller
- Temperature sensor with Arduino UNO

CERTIFICATIONS AND COURSES

NASSCOM Certified Data Analyst

- National Skill Qualifications Framework Level 7 (Gold category). This program helps master skills and tools like Clustering, Decision trees, R Studio, R Programming, Python, Big Data, SQL, NoSQL, Data Visualization tools, Data Modelling, Statistical functions, Machine Learning, and Deep Learning algorithms that use predictive analytic to solve real-time decision-making problems.

Blockchain Basics

- An online non-credit course authorized by University at Buffalo, The State University of New York and offered through Coursera.

RPA Starter Training

- Learned hands-on approach for Robotic Process Automation with real-life examples of automation using UiPath.

PCAP: Programming Essentials in Python

- Course to design, develop, and improve multi-module computer programs and to analyze and model real-life problems in Object-Oriented programming categories.

Introduction to Project Management

- This course aimed to provide an introduction to the phases involved in a project management process along with examples, as well as a lowdown on the top tools and applications in the field.

Angular and NodeJS - The MEAN Stack Guide

- This course taught how to connect Angular Frontend to a NodeJS, Express, MongoDB Backend by building a real Application.

Angular for Beginners

- Gained a deep understanding of the Angular fundamentals to establish as a front-end developer.

C++ Tutorial for Complete Beginners

- Upskilled C++ programming language from scratch.

EXTRACURRICULARS

- Organized My VIT Bhopal Game Design Competition.
- Organized Quiz-O-Mania 2020, an aptitude test conducted by Department of Mathematics.
- Organized Entrepreneurship club events like Sell-a-thon, AdMania, Treasure Hunt and various masterclasses.
- Organised One Idea Competition, a search for one simple, cost-effective idea that could improve and benefit VIT Bhopal and the community at large.
- Participated in Business Plan Competition, a competition to present an idea and visualise it with the help of industry experts.
- Ranked 3rd in Quiz-O-Mania 2019.
- Twice won the Zumba Club dance competition in 2018, 2019.

VOLUNTEER WORK

The Dawning Educational Society

05/2020 – 09/2020

Volunteer Teacher

- Tutoring and technical support for the mission to educate rural children during the COVID-19 pandemic.

Yugen Education Foundation

01/2020 – 04/2020

Book Reading and Content Creation

- Transforming the education system by helping rural area teachers and students to learn, grow and transform.