

VINITA KATLAMUDI

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Education

B.Tech in Computer Science

Indian Institute of Technology, Bhubaneswar

July. 2020 – May 2024

CGPA: 7.51/10

Class XII (CBSE)

Jain Heritage a Cambridge School, Hyderabad

July. 2018 – May 2020

92.2%

Professional Experience

Internship in Cloud+AI Team, Microsoft, Hyderabad

May 2023 – July 2023

- Built an Automated Release Note Maker which is an extension for Azure DevOps that automates the generation of release notes, eliminating the need for 6+ hours of manual work per release.
- Scalable solution built for use by 10+ teams at Microsoft.
- Performed in-depth analysis of extractive and abstractive summarization techniques, top 5 text-summarization tools- Lang Chain, Open AI, BART, and Gensim before choosing Azure Language service abstractive summarizer.
- Explored different ways to build an application more accessible to people with disabilities.
- Tools: Python, JavaScript, TypeScript, Node.js, Grunt, Streamlit.

Projects

Attendance tracking with face recognition, Microsoft Engage Mentorship Program

May 2022 - Jun 2022

- A student management system which tracks, records and displays all the data related to attendance of students.
- Attendance of a student for the ongoing class gets updated when the student clicks his/her picture in the web app.
- Warning email sent to students falling short of 75 percent attendance.
- Management system caters to the needs of three different categories of people-students, faculty and administration.
- Tools: Django, Tailwind CSS, HTML, JavaScript, SQLite.

RSNA 2023 Abdominal Trauma Detection

Kaggle team competition

- Created a Kaggle project to identify several potential injuries in CT scans of trauma patients.
- Created a Convolution Neural Network model to predict the probabilities of various kinds of injuries.
- Worked on image processing techniques and used data augmentation tools to improve model performance.
- Tools: Keras, TensorFlow.

Personal Portfolio Website

- The website features my portfolio details and a contact form that allows visitors to get in touch. The details submitted through this form are automatically downloaded into a Google Sheet.
- The website is fully responsive and compatible with all screen devices, including mobile phones.
- Tools: HTML, CSS, JavaScript.

Relevant Coursework

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|---------------------|---------------------|--------------------|--------------------------|
| • Data Structures | • Computer Networks | • Compiler Design | • Design and Analysis of |
| • Operating Systems | • Database Systems | • Machine Learning | Algorithms |

Technical Skills

Programming Languages: Python, C, C++, HTML, CSS, JavaScript, TypeScript, SQL.

Frameworks: Django, Tailwind CSS, Streamlit.

Libraries: Numpy, TensorFlow, Scikit-Learn, Pandas, Keras.

Academics Accomplishments and Extracurricular

- Secured a rank of 3706 in JEE Advanced exam among 10 lakh applicants.
- Secured 5th place in SGFI U-17 Chess Nationals.
- Governor, Chess Club, led my chess team as the only female captain at the Inter-IIT Sports Meet 2022.
- Teacher, Unnat Bharat Abhiyan, taught mathematics to 100+ students in government schools in Odisha.
- Core-team, Marketing, Wissenaire'22, Techno-management fest, negotiated sponsorships with different companies.
- Embarked on journeys to 20+ states in India, driven by an interest in experiencing different cultures.