

PARUL CHADDHA

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EDUCATION

Banasthali Vidyapith

Rajasthan

Bachelor of Technology in Information Technology; **CGPA: 9.81/10**

July 2021 – May 2025 (Expected)

SKILLS & CERTIFICATIONS

Languages: C, C++, Python, Java, R, SQL, HTML, CSS, JavaScript, Latex

Frameworks: ReactJS, Node.js, Express.js, Flask, Tailwind CSS, WordPress, Bootstrap, Scikit-learn

Developer Tools: Git, GitHub, Visual Studio Code, Jupyter Notebook, Linux, Canva, Figma

Data Visualization: Graphviz(Python), Matplotlib, Seaborn

Additional: MongoDB, Rest APIs, Firebase, Microsoft Azure

Major Courseworks: Object-Oriented Programming(T/L), Database Management System(T/L), Operating System(T/L), Data Communication and Network

Certifications: Microsoft Azure AI-900 Certification, Postman Student Expert Certification, Microsoft Azure AZ-900 Certification

PROJECTS

TasteBud | ReactJS, Flask, MySQL, Spoonacular API

[GitHub Link](#)

- Developed TasteBud, a recipe generator and exploration tool, using ReactJS, Flask, and MySQL, enabling users to discover personalized recipes based on ingredients, cuisine preferences, and dietary needs.
- Integrated Spoonacular API to offer diverse recipe options catering to keto, vegan, and non-vegan diets, enhancing user experience with seamless access to a vast recipe database
- Created a user-friendly interface allowing registration, ingredient input, recipe filtering, and exploration, simplifying cooking and encouraging culinary exploration

Ability Assist | ReactJS, Firebase

[GitHub Link](#)

- Aimed at enhancing specially-abled individual lives by providing assistance and solutions to their unique challenges
- Designed and implemented key features for AbilityAssist, including an ML-based Object Detector utilizing TensorFlow, Speech-to-Text and Text-to-Speech functionalities implemented with React-Speech-Kit
- Added font simplification feature, ChatBot component, and PDF reader for readability and improved accessibility

SMS Spam Detector | Python, numpy, scikit-learn, streamlit

[GitHub Link](#)

- Implemented SMS spam detector utilizing the Multinomial Naive Bayes algorithm, achieving a precision score of 1
- Developed a user-friendly interface using Streamlit for seamless interaction
- Enhanced performance through vectorization employing three different algorithms

People Counter | Python, YOLO, OpenCV

[GitHub Link](#)

- Implemented YOLO (You Only Look Once) v3 model for accurate person detection within video streams
- The system provides real-time counting of people moving in two directions (upwards and downwards) within specified Regions of Interest (ROIs) within the video frames
- Offers a visual interface by drawing bounding boxes around detected persons and continuously updating counts in real-time

AWARDS & ACHIEVEMENTS

- DESIAS Ascend Educare Scholar'22:** Selected in the **Top 40 girls of India** for the mentorship program offered by **The D.E. Shaw & Co.**
- Code'N' Tech Coding Competition:** Secured **1st Runner Up** position out of **1000+** participants
- TechNova Hackathon 2023:** Secured **1st Runner Up**
- Chapter Lead in college:** Selected as the Chapter Lead of **GeeksForGeeks** student chapter
- #include<her> 1.0 Cohort Ideathon:** Secured **2nd runner up** in the ideathon by **Azure Developer Community**
- 5 star C++ & 4 star Problem Solving** at [HackerRank](#), solved **800+** problems on [LeetCode](#), solved **200+** problems on [GeeksforGeeks](#)
- Microsoft Learn Student Ambassador:** Selected as a MLSA in a global community of technology enthusiasts