

DEV PATEL

224-877-4101 | devp5340@gmail.com | [GitHub](#) | [LinkedIn](#)

Education:

University of Illinois Chicago

Jan 2023 – Present

Bachelor of Science in Information Sciences.

Technical Projects:

Smart Churn / ANN, Python, TensorFlow, NumPy

[Demo](#)

- Developed an ANN-based model to predict customer churn for a bank, achieving an accuracy of 87% and a recall of 92% on test data, effectively identifying high-risk customers likely to leave.
- Conducted extensive data preprocessing and feature engineering to handle data imbalances and improve model stability, resulting in reliable and consistent churn predictions.

Tomato / ReactJS, JavaScript, NodeJS, MongoDB

[Demo](#)

- Designed and deployed a Food delivery web application, integrating frontend and backend services to ensure seamless user experience and efficient order management.
- Optimized application performance by integrating cart management functionalities, streamlining the checkout process, and reducing cart abandonment by 25%.

Heart Beats | Python, NumPy, Scikit-learn, Pandas

[Demo](#)

- Instituted over ten targeted adjustments in dataset preprocessing methods while developing the heart disease predictor app, resulting in enhanced seamless integration into healthcare service frameworks.
- Trained a Logistic Regression model using a dataset of 300+ patient records, resulting in a 93% precision score and identifying critical risk factors for heart disease.

Work Experience:

University of Illinois Chicago

June 2023 – Present

Technology Solution Specialist

- Initiated developing and implementing a diagnostic framework that streamlined problem-solving processes for the team, leading to a 30% reduction in issue resolution time.
- Provided technical support and training to over 200 students and staff, enhancing their proficiency in using university systems and software tools.
- Organized, systematic troubleshooting procedures to identify root causes of complex system issues, resulting in a 50% decrease in downtime and a 35% increase in system performance metrics.

C-DAC, India

June 2022 - Nov 2022

Software engineering intern

- Collaborated with developers to design and launch data-driven solutions, integrating AI/ML techniques to enhance user engagement by 40%.
- Utilized advanced NLP methods to analyze customer feedback, integrating models into web applications and reducing negative feedback.
- Developed scalable backend services and responsive front-end interfaces for recommendation systems, leading to improved content personalization and boosting performance.

Technical Skills:

Languages: C, C++, Java, Python, SQL, JavaScript, HTML/CSS

Frameworks/Libraries: Pandas, NumPy, Scikit-learn, ANN, RNN, TensorFlow, React-JS, Node-JS, Tailwind, Mongo-DB, Git-GitHub.