

# CHIRAG VARSHNEY

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## Education

- **KIET Group of Institutions, AKTU** *B-Tech, EEE* Sept 2022 – Present
- **Assisi convent school, Etah** *CBSE, PCM, 12th - 83% | 10th - 93.6%* April 2019 – July 2022

## Experience

- **Systems Development Intern** *Teific Technology* Ghaziabad, Uttar Pradesh  
July 2023 – August 2023
  - Gained hands-on experience with electronics, embedded systems, and web development
  - Demonstrated skills in microcontroller programming, signal processing, and hardware-software integration
  - Collaborated with a team to explore real-world applications of electronics principles

## Projects

### Customer Churn prediction February 2024-April 2024

- Developed a machine learning model (Logistic Regression, Decision Trees, Random Forest) to predict customer churn, improving retention strategies through data-driven insights.
- Performed data preprocessing, feature engineering, and handled class imbalance to enhance model accuracy and reliability.
- Optimized performance using cross-validation, hyperparameter tuning, and evaluation metrics (ROC-AUC, F1-score).
- Created visualizations to communicate key churn drivers to stakeholders for targeted retention efforts.

### Stock Market Simulation Project September 2024-January 2025

- Developed a full-stack stock market simulation platform enabling virtual trading with real-time and historical data using MongoDB, Node.js, and React.
- Integrated live stock APIs for dynamic pricing and implemented portfolio tracking with visual performance analytics.
- Built secure user authentication and an intuitive UI for trading and fund management; included optional AI-driven stock prediction features.
- Role: Full Stack Developer in a collaborative team project.

## Skills Summary

**Programming Languages:** Python, JavaScript, SQL, Java

**Web Development:** React, Node.js, HTML, CSS, Express.js

**Databases:** MongoDB, PostgreSQL, MySQL

**Software :** Matlab and simulink, homer pro

**Soft Skills:** Effective communication, Analytic thinking, Collaborative, Leadership skills.

## Courses and Certifications

- [Accenture Data Analytics and Visualization](#) September 2023
- [Google Introduction to Generative AI](#) December 2023
- Neural Networks and Fuzzy Systems – [AKTU] (B.Tech Course)

## Extracurricular Activities

- **Tech Enthusiast** – Participate in online developer communities and tech talks.
- **Member, KIET INNOGEEKS Club** – Collaborated on team projects and participated in internal hackathons.