

Abhishek Chauhan

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🐙 GitHub
📁 Portfolio

Projects

Video Conferencing Platform with Real-Time Meeting Controls [Link](#)

September 2024 – October 2024

- Developed and deployed a video conferencing platform using **Next.js** and **TypeScript**, allowing up to 1000 users to interact with voice and video in real-time.
- Leveraged **GetStream's** scalable APIs for over 10,000 concurrent connections and real-time chat, improving user experience.
- Used **ShadCN** for the user interface components and cut down 25% of the development time through reusable parts, thus improving the user experience across devices.

Cryptocurrency Wallet Address Classifier [Link](#)

June 2024 – August 2024

- Designed and **deployed** a machine learning-enabled classifier to determine the type of cryptocurrency contained in wallet addresses with **97%** accuracy.
- Created a synthetic dataset and used a **deep neural network** to enhance classification effectiveness.
- Utilized feature extraction methods to analyze address properties, assigning probabilistic scores for each cryptocurrency.

Unified Banking and Financial Platform [Link](#)

September 2024 – October 2024

- Designed** and **deployed** a SaaS-Driven Financial Management and Multi-Bank Aggregation platform using **Next.js** and **TypeScript**, allowing up to 10 bank accounts to be connected securely through Plaid.
- Utilized **Appwrite** as an end-to-end backend server as a Docker microservice, decreasing initial development time by 40%.
- Created ultra-secured SSR authentication and comprehensive validations for over 1000 users. **Sentry** was employed for error monitoring, enabling a 30% reduction in bugs logged.
- Provided a fully interactive dashboard that included total balances, recent transactions, and spending in an active context, along with **Dwolla** transfer capabilities.

Credit Card Fraud Detection [Link](#)

August 2024 – October 2024

- Utilized **Logistic Regression** to detect fraudulent transactions, achieving 93% accuracy on a skewed dataset of 284,807 transactions.
- Applied under-sampling methods to address class imbalance and performed thorough data cleaning to enhance model performance.
- Provided tools for users to differentiate between genuine and illegitimate transactions, aiding in better financial management.

Education

B.Tech in Computer Science Engineering
Graphic Era Deemed to be University,
Dehradun, Uttarakhand 2021 – Present
CGPA: 8.01/10

Senior Secondary (12th Grade)
St. Johns Senior Secondary School,
Meerut, Uttar Pradesh 2020
Percentage: 92.33%

Secondary (10th Grade)
St. Johns Senior Secondary School,
Meerut, Uttar Pradesh 2018
Percentage: 76%

Skills

Back End	C++, Java, Python, PHP
Front End	HTML, CSS, JavaScript
DBMS	MySQL, MongoDB
OS	Linux (Ubuntu), Windows
DevOps	Git, GitHub
Data Science/AI	Machine Learning, Deep Learning

Internships

Machine Learning Intern [virtual]
CodTech, India
September 2024 – November 2024

Coursework

- Data Structures and Algorithms
- Database Management Systems
- Operating Systems
- Computer Networks
- Software Engineering

Coding Profiles

Solved over 400 problems across various platforms.

- LeetCode: **abhishek2k2**
- CodeChef: **abhishek033**
- GeeksforGeeks: **aryanchau93x0**