

# GOURAV YADAV

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## TECH STACKS

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**Languages:** Python ,C++, SQL (MySQL), JavaScript, HTML/CSS, TypeScript, Mongo DB

**Frameworks:** React Js, Node.js/Express js, NextJS

**Developer Tools:** Git, Docker, Figma, Visual Studio, AWS, Canva, Excel, Postman

**Skills:** Machine Learning, Web Developer

## PROJECTS

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**Netra Scan** | Python(Deep Learning,Django), HTML, CSS, JS, Heroku ([LINK](#))

- Executed a retinal condition prediction system using a CNN-based model demonstrating high accuracy (98.3%) in predicting ocular conditions.
- Implemented CNN based approaches like VGG-16 and Xception for automated grading of diabetic retinopathy severity and detection of other ocular conditions.
- Trained the model with 780+ real OCT images, significantly enhancing diagnostic accuracy.
- Created a web interface using Django and deployed it using Heroku, enabling real-time predictions for over 200 users.

**Interviewer.** | Node/Express Js, NextJs, TypeScript, Gemini API ,Clerk, Neo4j & Drizzle,Vercel ([LINK](#))

- Developed a Full-stack AI-powered mock interview platform using Node.js, Express.js, Next.js, and TypeScript, ensuring scalability and performance.
- Established Clerk authentication for secure user management, improving platform security.
- Utilized Neo4j and Drizzle ORM for efficient database management and optimized data retrieval.
- Integrated Gemini GenAI API to generate dynamic interview questions with individual chat sessions, enhancing engagement.
- Deployed the application on Vercel, ensuring seamless and high-performance hosting.

**Mood Predictor** | HTML, CSS, JS, Python, Tensorflow, Numpy, Pandas ([LINK](#))

- Designed Basic Html and python based project to predict the mood of the user based on the database.
- Redirect user to the page to show movie ,music and recreational activities based on the predicted mood .

**Other Mini Projects** ([LINK](#)).

- **Personal Portfolio** | HTML,CSS,Next.js, React, Node.js
- **IPL Prediction System** | Numpy,Pandas, Tensorflow, Flask,HTML,CSS,JS
- **Diabetes Prediction System** | Python, Scikit-Learn, HTML,CSS, JS

## CERTIFICATION

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- Cloud Computing-NPTEL ([LINK](#))
- Computer Networking-Google ([LINK](#))
- IBM Gen AI- IBM ([LINK](#))
- AWS certified solution architect-associate-Ethnus ([LINK](#))
- Full Stack Development program-TechBairn ([LINK](#))

## EXPERIENCE

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**Full Stack Developer** ([LINK](#))

Dec 2023 - Jan 2024

CodSoft.in

Bhopal, MP

- Completed multiple tasks and projects as assigned by the organization, contributing to a 25% increase in overall project completion rate.
- Created a RESTful API using Flask (Python), enhancing data storage efficiency by 40% for content management systems.

## EDUCATION & QUALIFICATION

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- **Vellore Institute of Technology Bhopal , MP**  
Bachelor of Technology in Computer Science and Engineering

**CGPA- 8.49**

- **KVS Cossipore**  
Kolkata , WB

**CGPA(class 10)- 9.7**  
**CGPA(Class 12)- 9.2**