

# VAIBHAV GHILDIYAL

India

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## Experience

### Technical Consultant (Projects: Digiice)

Jun 2025 – Present

*Vigility, Noida, India*

- Developed and maintained scalable frontend modules for Digiice using React.js and shadcn/ui, improving UI performance by 80%.
- Developed a dynamic live dashboard feature that visualizes real-time data from databases and uploaded files, enabling instant analytics and insights.
- Collaborated with backend teams to design REST APIs, ensuring smooth integration and consistent data flow across services.

### Software Engineer Intern (Remote)

Apr 2025 – Jun 2025

*YugYatra Retail Private Limited, Bangalore, India*

- Designed and delivered scalable client-specific software features, reducing turnaround time for new deployments by 25%.
- Collaborated with clients to capture requirements and delivered 10+ customized functionalities within deadlines.
- Improved project workflows by fixing critical issues and optimizing performance, boosting overall system reliability by 15%.

## Projects

### AI-based Lung Disease Detector | Python, TensorFlow, MobileNet

May 2023 – Jun 2023

- Built a deep learning model using MobileNet to classify chest X-rays into four categories (normal, pneumonia, tuberculosis, and others).
- Applied transfer learning by fine-tuning pretrained MobileNet and optimizing hyperparameters to achieve high accuracy.
- Collected and augmented medical image datasets to enhance model generalization and robustness.
- Developed an end-to-end pipeline in Python and TensorFlow for automated inference and deployment.

### Front-End Online IT Course Website | HTML, CSS, Bootstrap, JavaScript, jQuery

Oct 2024 – Nov 2024

- Prepared a responsive front-end website for online IT courses with mobile-first design.
- Implemented interactive features using JavaScript and jQuery, and styled layouts with CSS3 and Bootstrap.

## Relevant Coursework

- |                      |              |                         |
|----------------------|--------------|-------------------------|
| • Python Programming | • CSS        | • FastAPI               |
| • Machine Learning   | • JavaScript | • TensorFlow            |
| • Data Structures    | • React.js   | • PostgreSQL            |
| • HTML               | • Node.js    | • Cloud Computing (AWS) |

## Technical Skills

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

**Libraries/Frameworks:** React.js, Tailwind CSS, Pandas, NumPy, Scikit-learn, FastAPI, TensorFlow

**Databases:** PostgreSQL, Firebase

**Tools & Platforms:** Jupyter Notebook, Git, GitHub, VS Code, Notepad++

## Education

### Bipin Tripathi Kumaon Institute of Technology

Oct 2021 – Jun 2025

*B.Tech in Electronics & Communication Engineering*

*CGPA: 7.0*

## Leadership / Extracurricular

### Vice Captain – College Football Team

Jul 2024 – Jun 2025

- Represented the university in inter-college football tournaments, highlighting leadership and sportsmanship.

### Technical Fest – Participation

May 2025

- Secured third place in Quiz and Circuit Implementation, demonstrating problem-solving and teamwork in competitive technical events.