Anubhav Shukla, B.Tech

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Aspiring Full Stack Developer with a strong foundation in web development and a passion for building dynamic, user-focused applications. Currently pursuing B.Tech, I am expanding my skills across front-end and back-end technologies through hands-on projects. Eager to apply my knowledge to create impactful, efficient solutions that enhance user experiences across industries.

Portfolio and ML Blog | Linkedln | Github | anubhav008shukla@gmail.com

Experience

01/2024 – Present **Software Developer**, *HardCopy*, Pune.

- I am working on developing a cross-platform mobile and desktop application using Dart, Rust, and ReactJS.
- Integrating machine learning features to enhance the app's functionality.
- We implemented backend services in Rust, achieving a 25% improvement in performance and a 15% reduction in memory usage.
- Integrated native device features such as camera, GPS, and local storage, providing a seamless user experience across platforms.

10/2022 – 04/2023 **Software Developer,** *Vaizle*, *Punjab*

- Developed and maintained web applications using Angular.js and TailwindCSS.
- Built and managed scalable APIs using NestJS, enhancing server-side performance and reducing API response time by 25%. Designed APIs that handled 10,000+ concurrent requests, ensuring robust performance during peak traffic.
- Worked closely with 3 teams (project management, design, and development) to ensure timely project delivery, resulting in 100% on-time completion of all projects.
- Consistently met client requirements and deadlines, resulting in a 95% satisfaction rate based on feedback and project outcomes

Education

12/2021 – 06/2025 **B.Tech in Electronic and Telecommunications**, *Bharati Vidhyapeeth University, Pune*.

- CGPA: 8.4

Selected Project

05/2023–05/2023 **Jar: Todo App:** To go beyond a basic to-do app, I built a full-stack application using the MERN stack and GraphQL. It features user accounts, task categorization, and a dedicated view for completed tasks, offering an organized, efficient task management experience**.** [Link]

06/2024–08/2024 **Self-Driving Car**.A javascript simulation in which cars learn to navigate themselves through a track. The cars are controlled by a feedforward Neural Network. The weights of the network are trained using a genetic algorithm. [Link]

01/2024–02/2024 **Movie recommendation system:** Movie recommendation system using content-based filtering.[Link]

Selected Blogs

05/2024–05/2024 **Vehicle Counter with Ultralytics and OpenCV**.Developed a vehicle detection system for highways that accurately counts cars, buses, trucks, and motorcycles. The system tracks each vehicle's direction (inbound or outbound) and provides a total count for each vehicle type passing through a designated line. [Link]

05/2024–05/2024 **Understanding the Sigmoid Function: A Deep Dive**: A clear and concise explanation of the sigmoid function's role in converting model predictions into probabilities, enhancing interpretability and predictive accuracy in data analysis. Ideal for understanding and applying this function in various data science projects. [Link]

01/2024–02/2024 **Exploring Perceptrons:** Simplified the concept of perceptrons in a PDF guide, using relatable examples like determining exam pass/fail to explain decision-making in machine learning.[Link]

Technical Stack

Tools: Python, JavaScript, Rust, Dart, Typescript, Nextjs, Django, Nodejs, Reactjs, Angularjs, AWS, Git, SQL, MongoDB, Docker, VSCode, Jupyter

Libraries: Pandas, Numpy, Streamlit, PyTorch, TensorFlow, keras, Huggingface, OpenCV, Scikit-Learn, XGBoost

Soft Skills

Key skills

- strong motivation to learn and be curious
- attention to detail and scientific mindset
- excellent communication skills
- rich experience of working with ambiguous problems