

Vishwajeet Kumar

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Education

National Institute of Technology Sikkim

2021 – present

Bachelor of Technology

Electrical and Electronics Engineering (CGPA: 7.8)

G.D Mother International School

2020

Intermediate (XII), CBSE - 85%

Professional Experience

Junior Embedded and IOT Engineer

Jun 2024 – Aug 2024 | Jaipur

9 Pointers Tech Pvt. Ltd.

- Built a smart speaker using **Raspberry Pi 4**, **OpenCV**, and **DeepFace** for face recognition, achieving an **86% recognition accuracy**.
- Worked on voice-controlled smart actuators using ESP32 and Google Assistant, integrating ultrasonic sensors for real-time feedback.

MERN Stack Developer

Dec 2023 – Feb 2023

Valley Eduventure

- Developed a web-based system using **React.js** (frontend) and **Node.js** (backend) to streamline event scheduling, registrations, and communication for local schools.
- Enhanced efficiency by implementing automated email notifications and real-time updates.
- Built a secure database with MongoDB, reducing manual coordination efforts by 50%.

Skills

Programming Language

C, C++, Python, JavaScript, Dart, TypeScript

Software Development

HTML5, Tailwind CSS, Bootstrap, Flutter, React.js, Node.js, Express.js, REST APIs

Cloud & DevOps

Docker, AWS (S3, EC2), Redis, CI/CD, Kubernetes

Machine Learning

TensorFlow, Scikit-learn, NumPy, Pandas, PyTorch, OpenAI APIs

Tools

Linux, Git, Figma, Firebase, JWT, WebSocket

Database Management

PostgreSQL, MySQL, MongoDB, SQLite

Projects

Grozo(Grocery Shopping App)

Live App (Drive link) 🔗

Tech Stack: Flutter, Node.js/Express, Docker, PostgreSQL, Redis, Firebase (Auth), JWT

- Launched a live grocery delivery app serving **6,000+ orders**, with **Zomato-like fast delivery** in **Ravangla**, active for the last **62 days**.
- Designed and implemented a scalable backend using **Node.js** and **Express**, integrating **PostgreSQL** for robust data management.
- Enhanced real-time inventory tracking with Redis and improved API performance using Dockerized microservices.

Chatify 🔗

Tech Stack: React.js, Vue.js, Node.js, Socket.io, MongoDB

- Designed a seamless **real-time chat application** with group chats, **dynamic animations**, and **secure file sharing** for an engaging user experience.
- Enhanced backend services with **MongoDB**, enabling efficient storage, retrieval, and scalability of chat data.
- Leveraged **Socket.IO** 🔗 for instantaneous updates, ensuring smooth communication for up to 100 concurrent users.

AI-Powered Travel Recommendation System

Tech Stack: TypeScript, JavaScript, React.js, Next.js 14, Tailwind CSS, Shadcn-UI, OpenAI APIs, Azure, Razorpay

- Built an AI-powered travel recommendation engine using **OpenAI** that creates personalized itineraries based on what users like.
- Improved system accuracy by **18%** through data analysis and optimization, enhancing user satisfaction and engagement.
- Built a scalable **React.js** interface with **Next.js**, integrating Tailwind CSS for responsive design and **Razorpay** for seamless payment processing.

Face Recognition and Greeting System 🔗

Tech Stack: OpenCV, TensorFlow, Raspberry Pi, Python, NumPy, Pandas, Flask

- Implemented a **face recognition-based greeting system**, improving recognition accuracy from **75%** to **86%**.
- Enhanced office security by integrating **real-time attendance tracking** and scaling for larger deployments.

Position of Responsibilities

The Regnant Ink (TRI)

2023 – present

Web Development Lead

- Led a team of six developers to build a conference website for NIT Sikkim using React.js, delivering it on time with strong collaboration.

Achievements

- Achieved a global rank of **276** in CodeChef Division 3 with a rating of **1644** in a rated contest (February 2024) 🔗
- Developed a high-impact **grocery app** serving a small town in Ravangla, Sikkim, with **100+ daily orders**, improving accessibility and convenience for local residents.