

Kajal Bharat Shinde

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Education

VIT Bhopal University Bhopal, Madhya Pradesh
Bachelor of Technology in Computer Science and Engineering | CGPA: 8.54/10 2022-2026

Experience

Backend Development Intern | Luxury In Taste Nov 2024-Jan 2025

- Built and maintained RESTful APIs using Django and Python, improving backend response time.
- Created and implemented scalable database schemas in MySQL, managing data for 5000+ records. Integrated third-party APIs and handled secure authentication and data exchange using REST standards.
- Collaborated with frontend and QA teams to resolve **20+** bugs, enhancing overall user satisfaction.
- Deployed backend services to Microsoft Azure, ensuring **99.9%** uptime during the internship period.
- Tech Stack: Django, Python, MySQL, REST API, Azure, Git, API Integration, SQL**

Projects

Luna - AI Support | [Github](#)

- Designed and developed a progressive web app (PWA) chatbot focusing on teenage girls' mental wellness, ensuring anonymous and anonymous conversations with **100%** local storage and privacy-first design.
- Integrated OpenAI API to deliver empathetic, context-aware responses and linked curated resources, achieving 90% topic relevance across 4 key wellness categories (stress, relationships, academics, self-care).
- Implemented a accessible UI with React + Tailwind CSS, including dark mode, which improved accessibility by 30% in user testing.
- Deployed backend with Node.js + PostgreSQL to manage user session data securely, enabling scalability.
- Key Skills: React, TypeScript, Node.js, PostgreSQL, OpenAI API**

Coupon Distribution Web App | [Github](#)

- Constructed a full-stack web app for automated coupon distribution using the Round-Robin algorithm. Designed and developed RESTful APIs in Node.js with MongoDB for secure storage, allocation, and tracking of coupons, handling concurrent requests from 1,000+ users.
- Implemented security measures (IP tracking & cookies) to prevent duplicate claims and designed an admin panel for monitoring and managing coupons.
- Implemented frontend with React + Material UI, including an admin dashboard for real-time monitoring and coupon management. Deployed frontend on Vercel and backend on Render for scalability.
- Key Skills: React, Node.js, Mongo DB**

Smart Farming | [Github](#)

- Worked on a smart farming decision-support platform with three integrated features to help farmers make data-driven agricultural choices.
- Crop Prediction: Implemented ML models (Random Forest, Decision Tree) using Scikit-Learn, Pandas, and NumPy to analyze soil and environmental data, achieving 90% accuracy in recommending optimal crops.
- Market Price Integration & Subsidy Information: Fetched real-time commodity prices from official Government APIs and displayed them in a farmer-friendly dashboard and built an information hub consolidating government subsidy schemes.
- Built a Flask backend to expose the ML model as REST APIs, integrated with a web-based dashboard (HTML, CSS, JS) for easy farmer interaction.
- Key Skills: Python, Flask, Machine Learning, Scikit-Learn, Pandas, NumPy, HTML, CSS, JavaScript**

Technical Skills

Languages: Java, Python, JavaScript
Frameworks & DataBases(Full Stack): React.js, Next.js, Node.js, Express.js, Django, Flask, Tailwind CSS, MySQL, MongoDB, Git, REST APIs
ML & AI: Scikit-Learn, Pandas, NumPy, TensorFlow, Deep Learning, OpenAI API
Core CS Concepts: Data Structures & Algorithms, OOP, Database Management Systems, System Design, Computer Networks

Achievements

- Successfully cleared Round 1 with entering top 10% of the Nokia Accelerate HER in Tech – Student Hackathon, demonstrating strong problem-solving skills and technical proficiency.
- Selected in top 460 out of 36000+ in Meesho Scripted By her Hackathon advancing to Round 2.
- Part of a semi-finale of FlipKart Grid 7.0.
- Solved over 300+ problems on various coding profile. [LeetCode](#) | [GeeksforGeeks](#)