Prajwal Shettar

Portfolio   *LeetCode*   *GitHub*   *Linkdin*

Passionate full-stack developer skilled in **MERN**, **Python**, and modern web technologies, focused on creating efficient, scalable, and user-friendly applications.

Educational Background

Bachelor of Engineering (B.E.) in Computer Science & Engineering

Basaveshwar Engineering College, Bagalkot, India 2022 – 2026(Expected)

- CGPA: 9.26

Projects

Blockchain Based Evidence Tracking System (Blockchain + IPFS)

React.js, Express.js, MongoDB, Hyperledger Fabric, IPFS

- Developed a web platform with react to securely store and verify digital evidence using blockchain technology
- Integrated IPFS for decentralized file storage and Hyperledger Fabric for tamper-proof evidence storage

Github Link

Smart Traffic Management System

YOLOv8, Deep SORT, OpenCV, Twilio, Streamlit, Weather API

- Trained YOLOv8 models to detect both vehicles and ambulances; used Deep SORT for real-time object tracking in live traffic feeds.
- Enabled smart signal control with dynamic green light timing and weather-based alerts using real-time vehicle flow and weather data.

Github Link   *Website Link*

Glacier Melting Prediction and Alert System

Python, Machine Learning, Google Earth Engine, Twilio
- Built a platform using PDD, seismic, and snow data to predict glacier melting and issue alerts with ML models like GradientBoosting and Linear Regression

Github Link   *Website Link*

Online Course Management System

HTML, CSS, PHP, MySQL(phpMyAdmin)

- Developed a web application enabling instructors to seamlessly add and manage courses, create tests, and upload course materials.

Experience

WebMaster (BEC-IEEE)

- Maintained and updated an existing website to ensure smooth functionality, consistent uptime, and error-free performance
- Regularly added new features and content to improve user engagement and provide up-to-date information
- Implemented UI/UX enhancements and responsive design fixes for better cross-device compatibility

Contact

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Skills

Programming Languages
- Java, Python, JavaScript, C PHP

Frameworks & Libraries
- Frontend: React.js, Tailwind CSS, EJS
- Backend: Node.js, Express.js, Django, Flask
- Blockchain: Hyperledger Fabric, IPFS
- Mobile Development: React Native (Currently Learning)
- Machine Learning Libraries: scikit-learn and YOLOv8,

Tools & Platforms
- Git, GitHub, Postman, Vite, Vercel, Twilio API, Canva, Figma

Databases
- MySQL, MongoDB

Others
- REST API Integration, DBMS Concepts, Basic Networking Concepts, Blockchain Concepts, Linux

Achievements and Certification

- Innovate-X – 1st place, 8-hour hackathon
- Avishkaar – 2nd place, project exhibition
- Code for Green – 2nd place, 8-hour State-Level Hackathon
- Tech-Tronix – 1st place, coding & team quest
- NPTEL Certification – Privacy & Security in Online Social Media