

# Tejaswi Basavaraj Kiranagi

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## SUMMARY

Detailed-oriented Computer Science undergraduate (CGPA: 7.96) with strong fundamentals in object-oriented programming, data structures, and full-stack development. Experienced in building and testing scalable applications using React.js, Node.js, and Python. Skilled in debugging, performance optimization, Git-based workflows, and cloud platforms. Eager to contribute to real-world software development through collaborative, agile engineering practices.

## EDUCATION

### Basaveshwar Engineering College Bagalkot

Dec 2022 – Jul 2026

Bagalkot, Karnataka

- *B.E. in Computer Science Engineering | CGPA: 7.96/10 (up to 6th semester)*

- **Relevant Coursework:** Data Structures, Web Technologies, Operating Systems, Machine Learning, DBMS

## TECHNICAL SKILLS

- **Languages:** Python, JavaScript, Java, C++, C, SQL
- **Backend & Frameworks:** Node.js, Express.js, Flask
- **Frontend & Web:** React.js, HTML5, CSS3, Tailwind CSS, Chart.js, Recharts
- **Databases:** MySQL, MongoDB
- **DevOps:** Docker, Kubernetes, Git, GitHub
- **Cloud:** AWS (Cloud Foundations), Oracle Cloud (OCI), Vercel
- **Tools & Platforms:** Postman(API testing), Linux (Fedora, Sparky, Ubuntu), Wireshark, Jupyter Notebook, Figma, Canva, Firebase

## PROJECTS

### Carbon Footprint Tracker | [GitHub Link](#)

- Designed a responsive platform with React.js, Tailwind CSS, and Chart.js for dynamic carbon emission visualization.
- Built secure RESTful APIs with Node.js and Express.js, integrating Firebase Authentication for user access control.
- Structured a scalable MongoDB schema to efficiently handle user activity and emissions data.
- Deployed the application on Vercel for rapid launch and seamless cross-device performance.
- **Tech Stack:** MongoDB, Express.js, React.js, Node.js, Tailwind CSS, Firebase (Auth), Vercel.

### Parking Management System | [GitHub Link](#)

- Developed a full-stack web application with Python and Flask to monitor real-time parking availability and billing.
- Crafted an intuitive front-end using HTML, CSS, and JavaScript to facilitate user and admin interactions.
- Configured a MySQL database to centralize slot tracking and billing logic.
- **Tech Stack:** Python, Flask, MySQL, HTML, CSS, JavaScript.

## PROFESSIONAL EXPERIENCE

### AI & Data Analytics Intern | Green Skills (Virtual) | [GitHub Link](#)

Aug 2025 – Sep 2025

- Created a predictive machine learning model using Scikit-learn to forecast crop yield with 92% test accuracy.
- Cleaned and prepared large datasets using Pandas and NumPy for modeling.
- Visualized key metrics and model performance through interactive dashboards in Matplotlib and Power BI.

### Data Analytics Intern – Fraud Detection Project | Oasis Infobyte (Virtual) | [GitHub Link](#)

Jul 2025 – Aug 2025

- Applied an ML model (Scikit-learn) and optimized complex SQL queries for a financial fraud detection project.
- Enhanced detection accuracy by analyzing complex transaction patterns, which contributed to a 15% reduction in false positives.
- Analyzed and flagged anomalous transaction patterns, improving the robustness of the real-time fraud detection system.

## CERTIFICATIONS

- Oracle Cloud Infrastructure (OCI) Certified Generative AI Professional (Oracle)
- AWS Academy Graduate - Cloud Foundations 2025 (Amazon Web Services)
- Python: Introduction to Data Science and Machine Learning A-Z (Udemy)
- Web Development Fundamentals (IBM Skillsbuild)

## ACHIEVEMENTS

- National Finalist: A1 Fence Launch Pad Innovation Challenge
- Competed in 24-hour and 8-hour hackathons, demonstrating rapid prototyping and teamwork
- Represented college in TCS Tech-Bytes Quiz Competition
- Design and Documentation Head, BEC-FOCUS

## INTERESTS

Photography, Videography, Content Creation (YouTube), Competitive cricket