

Omkar Ghotne

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Coding Platforms And Socials

EDUCATION

KLS Gogte Institute of Technology

Bachelor of Engineering, Major in Information Science and Engineering

Belgaum, Karnataka (INDIA)

Aug. 2020 – May 2024 — CGPA: 8.2

EXPERIENCE

Health Tick

Frontend Web Developer Intern

June 2022 – Jan 2023

Bengaluru, Karnataka

- Spearheaded user acquisition initiatives, growing the platform's user base by over 700%, from 12 to more than 100 users, significantly increasing engagement.
- Engineered and implemented robust sign-up/sign-in processes using Redux, React.js, and Firebase, resulting in a smoother and more secure user experience.

CSL India

Full-Stack Developer

Feb. 2023 – June 2023

Belgaum, Karnataka

- Enhanced client websites by developing and integrating React and MySQL applications, driving a 30% increase in user engagement.
- Engineered and deployed comprehensive frontend and backend solutions, significantly boosting user satisfaction and operational efficiency.

PROJECTS

Stress Classification Using Machine Learning Techniques / Python, ANN, RNN, PCA, Scikit-learn, Open-BCI

- Developed advanced machine learning models, including Artificial Neural Networks (ANN), Principal Component Analysis (PCA), and Recurrent Neural Networks (RNN), to achieve high-precision classification of stress levels using physiological data from OpenBCI technology.
- Conducted in-depth data analysis on EEG, blood pressure, and other biometric signals, significantly improving model accuracy and enhancing the reliability of stress diagnostics.

Real-Time Chat Application: From Authentication to Deployment / MongoDB, Express.js, React.js, Node.js etc

- Developed a real-time communication platform using the MERN stack, resulting in a 40% improvement in interaction speed and significantly enhancing community engagement.
- Designed and implemented robust JWT authentication and a user-centered interface, increasing user trust by 50%.

BST Explorer: An Interactive Visualization Tool / Java Swing, JDBC, SQL

- Designed and implemented robust JWT authentication and a user-centered interface, increasing user trust by 50%.
- Optimized backend operations using JDBC and SQL, enabling real-time data processing and improving both operational efficiency and learning outcomes.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (MySQL), JavaScript, HTML/CSS

Frameworks: React, Node.js, JUnit, WordPress, Material-UI, FastAPI

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, IntelliJ

Coursework: Operating Systems, Computer Networks, Object Oriented Programming, Data Structures and Algorithms

EXTRA CURRICULAR ACTIVITIES

Organized hackathons: Key member of the Google Developers Club (2020-2022), significantly boosting tech engagement.

Served as technical head: Spearheaded initiatives in the college ACM club that cultivated a culture of technological innovation.

Led multicultural festivals: Coordinated events with 20+ performances and over 1,000 attendees, enhancing community and cultural enrichment.