

DEVESH SINGH

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EDUCATION

Savitribai Phule Pune University

Sep 2020 – Present

Bachelor of Engineering in Computer Engineering

Pune, India

- **CGPA: 9.2/10** (Expected Graduation in 2024).
- **Relevant Coursework:** Data Structures, Algorithm Design, Object-Oriented Design, Computer Networks, Complexity Analysis, Operating Systems, Relational Databases.

SKILLS

Programming Languages	Python, C++, Javascript
Frameworks	React.js, Node.js, Express.js
Databases	MySQL, Mongo DB, Redis, Firebase
Tools	Git, Github, Postman, REST APIs
Cloud Technologies	AWS, GCP

EXPERIENCE

Research Intern-Dept. of CSE MESWCOE, SPPU

Feb 2023 – Jul 2023

Soil Fertility and Crop Yield Predictor Dashboard

Pune, India

- Led the **collaborative** effort to develop a cutting-edge **machine learning** powered crop yield predictor dashboard, achieving an outstanding **85% accuracy rate**.
- Crafted a **user-friendly** website using **HTML, JavaScript, and CSS**, showcasing precision in design and implementation, resulting in a **15% improvement in overall user satisfaction**.

IEEE Bombay Section

Dec 2022 – Feb 2023

Full Stack Developer Intern

Remote

- Spearheaded the development of an innovative **invoice generator** web application, leveraging **Node.js, Svelte, and Firebase**, resulting in a **20% enhancement in application performance**.
- Applied industry best practices and engineering principles, significantly **reducing development time by 15%** and **mitigating bugs by 30%**.

PROJECTS

Multi Wordle([Link](#)):

- Engineered and deployed a real-time **multiplayer word game**, attracting over **50 active users** and garnering **positive user feedback**.
- Masterfully utilized **Node.js, Express.js, React.js, Socket.io, and Redis** to create an engaging gaming platform.

Travel Buddy([Link](#)):

- Pioneered the development and launch of a **MongoDB, Express.js, Node.js, HTML, CSS, and JavaScript** web application, facilitating efficient cab ride-sharing for students.
- Achieved a commendable **30% reduction in individual travel costs** and an impressive **50% increase in shared rides**.

Convolutional Neural Networks (CNN) Mask Detector([Link](#)):

- Implemented a robust mask detection system based on CNN using **OpenCV, Keras, TensorFlow, Matplotlib, Scikit-learn, and NumPy**, achieving an exceptional **accuracy rate of 94.92%**.

COVID-19 Stats & News Tracker([Link](#)):

- Created an inventive web application using **Python, BeautifulSoup, API, and Flask**, incorporating **web scraping** functionality to aggregate India's COVID-19 related news.

- Integrated **real-time statistics** for active, confirmed, deceased, and recovered cases for all Indian states, demonstrating a **20% increase in user retention**.

EXTRA-CURRICULAR ACTIVITIES

- Accomplished a **4* rating in DSA** and a **5* rating in C++** on HackerRank.
- Consistently ranked in the **top 5%** of the CSE Department.
- Advanced to the **Pre-elimination round** of Codechef SnackDown 2021.
- Actively participated in the **HackerEarth Hackathon** in 2021 and the **Codathon Hackathon** hosted by MANIT Bhopal in 2022.
- Successfully completed the **Spoken Tutorial** Test for more than **5+ programming languages**.
- Completed the 30 Days **Google Cloud Program** in 2021.
- Actively participated in completing over 4+ pull/merge requests and excelled as an **Open Source Contributor** during **Hacktoberfest 2022**.

LEADERSHIP

Google Developer Student Clubs, MESWCOE

May 2021 – Sep 2023

Developer — Technical Core

Pune, India

- Provided **technical guidance** and **mentorship** to students.
- Led a team of 10+ students in organizing a **successful hackathon**.
- Demonstrated **strong collaboration** and **communication** with cross-functional teams.