



europass



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Work: 412405 Pune (India)

EDUCATION AND TRAINING

Bachelor of Engineering

Government College of Engineering and Research, Avasari Khurd, Pune, Maharashtra. [11/11/2022 – Current]

City: Pune | Country: India | Website: <https://www.gcoeara.ac.in/> | Field(s) of study: Electronic And Telecommunication | Final grade: 9.62/10

XII (HSC)

A D Joshi Junior College, Solapur [25/08/2020 – 30/03/2022]

City: Solapur | Country: India | Final grade: 85.7%

X (SSC)

Saint Meera Public School, Paranda [15/05/2019 – 30/03/2020]

City: Paranda | Country: India | Final grade: 89.40%

PROJECTS

Reliability Performance Study of the GMRT Sub-Systems Conducted a reliability analysis of the GMRT subsystems using failure data from 2006–2024. Developed a data-driven tool using JavaScript and React to calculate key metrics such as MTBF, MTTF, MTTR, Availability, Uptime/Downtime, and Failure Rate. Integrated keyword-based filtering, monthly/yearly analysis, and graphical reporting to assist in identifying failure patterns and improving system performance.

Link:<https://github.com/Pratham2811/ReliabilityGmrt>

EcoFusion – E-Waste Recycling and E-commerce Platform Collaborator – Front-End DevelopmentWorked on the front-end of EcoFusion, a platform that connects users with nearby e-waste recycling centers. Contributed to building:A **product listing module** for refurbished and new electronic products.An **admin dashboard** for handling pickup requests, verifying details, and managing user interactions.

Swiggy Frontend Clone – React-based Food Ordering UI Tech Stack: React.js, Redux Toolkit, Context API, React Router, Custom HooksBuilt a fully functional Swiggy UI clone to simulate food ordering experience. Implemented restaurant listing, menu fetching with CORS handling, cart operations with add/remove logic, and live updates using Redux and Context API. Gained hands-on experience with critical React tools, custom hooks, reusable components, lazy loading, and scalable state management.

fixmecode – AI-Powered JavaScript Auto-Fixer CLI

Built a custom command-line tool that automatically fixes buggy JavaScript files using **Gemini AI**. It captures terminal errors (syntax/runtime), sends the code and error to Gemini for correction, and replaces the original file with a fixed version while creating a .bak backup. Designed to streamline debugging by combining Node.js internals like child_process, fs.promises, and .env API key management.

Link:<https://www.npmjs.com/package/fixmecode>

WORK EXPERIENCE

National Centre for Radio Astrophysics (NCRA), GMRT – TIFR – Pune, India

City: Pune | Country: India | Business or sector: Professional, scientific and technical activities

React Developer Intern

[02/12/2024 – 31/03/2025]

Designed and developed a React-based interface to analyze the reliability of GMRT sub-systems using historical call sheet data. Implemented front-end components for computing metrics such as MTBF, MTTF, MTTR, Availability, Uptime, and Downtime. Created keyword-based filtering and system parameter selection to support detailed diagnostic workflows.

LANGUAGE SKILLS

Mother tongue(s): Marathi

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Hindi

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Programming Languages

Javascript /Java /Python /C /C++

Operating System

Windows /Linux

Web Frameworks

React.js/ Node.js /Express.js /HTML /CSS

Database

MySql /MongoDb

Version Control

Git /Github

Hardware Skills

Arduino

Basic of Embedded Systems

STM32

ESP32

ABOUT MYSELF

I engineer robust software solutions at the intersection of automation, and modern web technologies. Passionate about solving complex real-world problems through clean code, deep logic, and continuous learning.

???PROFILE.CERTIFICATIONS.TITLE???

[Internshala, 03/12/2023]

Embedded System Completed a 6-week training on Embedded Systems, covering embedded hardware, firmware development using C/C++, interfacing sensors with Arduino, communication protocols (UART, I2C, SPI), and the complete embedded system development cycle.

???cv.templates.common.certifications.modeOfLearning??? : ???global.learningMode.online???

Link: https://drive.google.com/file/d/1QZp2YQvonMS-856Kj_-olz84LcMlbXks/view?usp=drive_link