

RITUPARNA WARWATKAR

🌐 Portfolio 📞 +91 77985 16764 ✉️ rwarwatkar@gmail.com
in rituparna-warwatkar 🔄 rituparna-ui 📄 rituparna-warwatkar

EDUCATION

Indian Institute of Information Technology, Guwahati

Bachelor of Technology, Computer Science and Engineering

Dec 2020 – May 2024

CGPA: 8.44

Indian Institute of Technology, Madras

Bachelors of Science, Data Science and Programming

Jan 2023 – May 2027

CGPA: 9.25

TECHNICAL SKILLS

Languages: JavaScript, Dart, Java, Python, C, C++

Database: MongoDB, Redis, SQL, Firebase

Technologies: NodeJS, Angular, Docker, Flutter

Other: AWS, Git, Shell Scripting

EXPERIENCE

Google DSC - IIIT Guwahati

Aug 2021 – present

Google DSC Lead

- Conducted two month-long offline backend development bootcamps.
- Providing guidance to interested club members and clearing doubts regarding modern developemnt technologies.

Programming Club - IIIT Guwahati

Aug 2021 – Aug 2022

Head Coordinator

- Conducted several coding sessions on various modern technologies like NodeJS, Flutter, Angular and Linux

PROJECTS

Node Commerce | 🔄

- An E-commerce web application built using NodeJS and MongoDB
- Admin panel for managing products, orders and users
- Payment integration using Stripe payment processing platform.

multer-firebase-sharp | npm 🔗

- Integrated a complete sharp based image processing pipeline in an existing multer based firebase storage engine
- Processes images in-memory and then uploads to Firebase Storage eliminating the need of file system write operations

HealthCare Portal | 🔄 | 📺

- Best HealthCare Solution, HackVerse NIT Surathkal
- One-Stop Platform for providing better healthcare in a hassle free manner and eliminating stigmas associated with conventional treatment using Machine Learning
- Tech Stack:- NodeJS, FastAPI, MongoDB, React, Scikit-learn.

Eligram-X | 🔄

- A social media application focused on implementing user authentication, authorization and integration with various platforms.
- Implemented 2FA using TOTP along with session management for users to check which devices their account is logged in.
- Admin Panel for managing platform data which insludes users, posts, hate & spam reports etc
- OAuth integration with Discord for users and Telegram for site admins
- Tech Stack: NodeJS, Angular, MongoDB, Redis, Firebase

Multi-tasking Kernel from scratch in C (Ongoing) | 🔄

- A 32-bit multi-tasking kernel with FAT16 filesystem, leveraging Intel's memory protection mechanisms.
- Memory virtualization, virtual filesystem layer, FAT16 filesystem driver, task/process functionality, keyboard drivers, and memory management.
- An ELF file loader along with a fully functioning 32-bit multi-tasking kernel with a working shell.

CERTIFICATIONS

Google Cloud: Cloud Digital Leader 🔗

- Adept at articulating the value of Google Cloud products and their organizational benefits, skilled in aligning cloud solutions with diverse business use cases for enterprise growth.