

Rishi Mondal

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<https://mavrick-portfolio.vercel.app/> | <https://leetcode.com/u/MAVRICK-1/>

EDUCATION

Makaut university

Bachelor in Computer Application | CGPA: 8.56

West Bengal, India

July. 2022 – Sep . 2025

TECHNICAL SKILLS

Languages: Go, JavaScript (ES6), TypeScript, Python, C, C++, Java, HTML, Tailwind Css, CSS, SQL Material ui.

Frameworks/Libraries: React, Angular, Bootstrap, NumPy, Vue, Flask, TensorFlow

Developer Tools: Docker, Ansible, AWS, Neo4j, Grafana, kubernetes, kafka, Node.js, PostgreSQL, MongoDB, Jupyter, Unix, Visual Studio Code, Git, Github, Heroku, Figma

WORK EXPERIENCE

Founder and CTO

West Bengal, India

DevRhylme Foundation

Oct .2024 - present

- Developed a computer vision library combining advanced tracking functionality with AI and Web3 features, backed by \$660,000+ in cloud credits from Google, Cloudflare, AWS, and DataDog, supported by GitHub and Notion. Currently enhancing the library to improve tracking capabilities.

Full Stack Engineer

Mar. 2024 – present

Google Summer of Code @UC OSPO

California, USA

- Modernized Causeway by integrating logging, analytics, dashboards, and Firebase Authentication, improving UI with Angular Material, automating Firebase CI/CD deployment, creating Learn Angular guides, and adding comprehensive documentation. ([project link](#))

Software Engineer Intern

Feb. 2024 – present

University of California Open Source Office

California, USA

- Utilize a tech stack with TypeScript backend, Angular frontend, RxJS and NgRx for Firebase interactions, data management with Firebase, and incorporate Generative AI and workflow enhancements, and other applications.
- [project link](#)

Program Manager of Girlsript Foundation

Aug. 2024 – present

GirlScript Foundation

Maharashtra, India

- Program Manager for Asia's largest Blockchain program, successfully leading a team of 5,000 contributors to boost project delivery speed by 25% and achieve 100% project completion.

Lead Web Developer

Feb. 2024 – present

Tech4Good Lab at University of California, Santa Cruz

California, USA

- Full Stack Developer for the [Causeway](#) application, utilizing TypeScript, Angular, RxJS, NgRx, and Firebase for seamless development and data management. Implemented a workflow enhancement module, reducing data retrieval time by 20%, improving UX, and optimizing performance with Firebase integration.

Open Source Software Engineer Intern

Nov. 2023 – Jun, 2024

Internet Health Research ,

Tokyo, Japan

- Developed a [Python library](#) for seamless integration with the Neo4j knowledge graph, expanding its capabilities by incorporating Rovista information. Enhanced the library with advanced features for data visualization, real-time querying, and improved performance, making it a robust tool for knowledge graph applications, data analysis, and AI-powered insights.

HONOURS AND AWARDS

Selected For [Harvard Project for Asian and International Relations \(HPAIR\)](#) Delegate , Selected for [Google Summer of code](#), Top 10 in ONDC Google Cloud hackathon, Campus leader of [Code4 GovTech](#) , Selected as Mentor in [GSSoC](#), [SSoC](#) and [AnitaB.org](#), Top 1000 Contributors in [Hacktoberfest](#), [Headstarter AI](#) fellow, **First Position** on Inter College Coding Competition

PROJECTS

RishiAi - Free ChatBot CLI

- RishiAi is a command-line interface (CLI) AI ChatBot that uses Google's Gemini API to generate natural language responses. You can chat with RishiAi about anything, from images to documents, and have fun and engaging conversations
- [Github](#) , [Documentation](#)

Speech Emotion Recognition using NLP Audio & Text

- Human-Computer interactions make it mandatory to get accurate communications, like both humans. If computer identification means we will get clever interaction We might be on the verge of too many screens. It seems like everyday, new versions of common objects are "re-invented" with built-in Wi-Fi and bright touchscreens. A promising antidote to our screen addiction are voice interfaces
- Repository link : <https://github.com/MAVRICK-1/Intel-oneAPI-Speech-Emotion-Recognition>

ONDC Build for Bharat Hackathon Project

- I lead an ONDC site project integrated with OpenStreetMap to provide seamless digital commerce for Bharat's businesses and consumers. We use ONDC APIs for data, Firebase for the backend, and React for the frontend.
- Hosted at : <https://nestondc.el.r.appspot.com/> ,
- Repository link : <https://github.com/SHANKARA-CODERS/NestONDC>

Internet Health Report: IYP (Internet Yellow Pages) Python Library

- Developed a Python library for Neo4j integration and expanded the knowledge graph with Rovista data.
- Repository link : https://github.com/MAVRICK-1/IYP_Lib

Monitoring with Prometheus and Grafana Integration

- This project integrates a Go-based web app with Prometheus and Grafana for monitoring and metrics visualization, simulating device management with endpoints for device registration, firmware management, and user logins.
- Repository link : <https://github.com/MAVRICK-1/monitor-golang>

Brainwave Reactjs, Tailwind Css

- Brainwave is a modern UI/UX website developed using React.js and Tailwind CSS
- Hosted at : <https://brainwave-hazel.vercel.app/>,
- Repository link : <https://github.com/MAVRICK-1/Brainwave>