

TUSHAR DAHIYA

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EDUCATION

Information Science Engineering, The National Institute of Engineering, Mysore

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Relevant Coursework: Data Structures, OOPS in Java,
Computer Networking, and Database Management Systems

PROJECTS

Mind Canvas

- Enables users to share thoughts and text with images. ([Try it here](#))
- JavaScript, Node.js, React, Express.js, and JWT for secure authorization
- Mandatory account creation and JWT tokens ensure secure user interactions
- Utilizes REST API for CRUD operations, optimizing the creation, sharing, and viewing of posts

Ray Tracer

- Implemented a ray tracer in Rust, incorporating features such as PPM image output, efficient ray-sphere intersection calculations, and progressive rendering with a progress indicator ([link](#))
- Designed and implemented the vec3 class, providing essential utilities for color manipulation and mathematical operations

symmetrical-palm-tree

- Realtime high fidelity chat application in Rust using Rocket framework ([ytlink](#))
- Each sent value, is broadcast to all active receivers

Monkey Compiler

- Developed in Go with no external dependencies
- Interprets integer and boolean types
- Supports function calls, closures, and conditional expressions (if)

OPEN SOURCE CONTRIBUTIONS

juspay/hyperswitch

- Implemented runtime configuration for in-memory cache settings ([pr link](#))

krshrimali/context-pilot-rs

- Improved CLI error messages by dynamically showing available options from the RequestTypeOptions enum for incorrect request types ([pr link](#))

ndelvalle/rustapi

- Incorporated rust-pretty-assertion as a dev dependency, ensuring visibility during test compilation for improved assertions ([pr link](#))

Gist link for other contributions ([Gist link](#))

ACHIEVEMENTS

- 2021 1st IEEE Premier League (IPL) Coding Competition

SKILLS

Technical Skills JavaScript, TypeScript, node.js, HTML5/CSS3, Version Control, MySQL/PostgreSQL