

# Manish Acharya

manish.acharya13@gmail.com | 0482013532  
acharyamanish006.github.io | linkedin.com/in/manish-acharya3

## About Me

Passionate web developer with expertise in JavaScript, TypeScript, Node.js, and a wide range of web technologies. Seeking opportunities to leverage my skills and experience to create exceptional web solutions.

## Skills

**Languages:** C/C++, Java, Python, JavaScript, TypeScript, Node.js, Go

**Front-End:** React.js, Next.js, HTML5, CSS3, Sass, Tailwind CSS

**Back-End:** Node.js, Express.js, Go, Flask, Go-Fiber

**Containerization:** Docker

**Version Control:** Git, GitHub

**Database:** MongoDB

**Other:** RESTful APIs, Webpack, Babel, npm/yarn, Jest, Enzyme, JIRA, Agile/Scrum, AWS, Wordpress.

## Education

- **Bachelor of Information Technology (BIT) Sydney :**
  - **King's Own Institute (2023-2026):**
    - Relevant Coursework:
      - Object Oriented Programming, Web Design and Development.
      - Database Design and Development.
      - Systems Analysis and Design, Discrete Maths.

## Project Work

- **MERN Ecommerce:** A full-stack Ecommerce application built with the MERN (MongoDB, Express.js, React.js, Node.js) stack. The project replicates major functionalities found in popular e-commerce websites, including user authentication, product management, shopping cart, and more. [GitHub Link](#)
  - **Key Features:**
    - **User Authentication & Security:**
      - Account creation and secure login with email and password.
      - Passwords are securely hashed and stored.
      - Secure authentication with JSON Web Tokens (JWT).
      - Measures implemented to prevent common security vulnerabilities.
    - **Product Management & User Interaction:**
      - Product search functionality.
      - Users can create product listings with images, descriptions, and prices.
      - Detailed product view for users.
      - Shopping cart and wishlist functionality.
      - Users can add reviews and ratings for products.
    - **Database:**
      - MongoDB used for storing user data, product listings, and order history.
      - Secure and efficient database interactions.
  - **Technologies Used:**
    - **Frontend:** React.js, CSS, Redux for state management.
    - **Backend:** Node.js, Express.js, MongoDB.
    - **Authentication:** JSON Web Tokens (JWT).
    - **Other Tools and Libraries:** Axios, bcrypt for password hashing, multer for file uploads.
- **LiteScript Programming Language and Interpreter:** LiteScript is an ongoing project dedicated to the development of a programming language and its interpreter using TypeScript. This language is crafted to be lightweight and user-friendly, offering a simplified syntax while retaining powerful capabilities. [GitHub Link](#)
  - **Key Features:**

- **Lexer Development:**
  - Designed and implemented a robust lexer capable of tokenizing LiteScript code, categorizing identifiers, keywords, numbers, and symbols.
  - Created the Token class and Token\_Types enum to encapsulate token information.
  - Implemented a sophisticated parsing mechanism to decipher the structure of LiteScript code accurately.
- **Parser Implementation:**
  - Developed a parser responsible for interpreting LiteScript tokens, identifying language constructs such as variable declarations and function definitions.
  - Implemented dedicated methods for parsing specific language features.
- **Interpreter Script:**
  - Crafted an interpreter script showcasing the lexer and parser in action, demonstrating the recognition of LiteScript constructs.
  - Conducted thorough testing to ensure accurate interpretation and processing of LiteScript code.
  - Implemented dedicated methods for parsing specific language features.
- **Room (A Zoom-like Clone with WebRTC) :** Developed a web application using React.js and WebRTC to facilitate virtual meetings and real-time video conferences. [GitHub Link](#)
  - **Technologies Used:**
    - **Frontend:** React.js, Redux.
    - **Backend:** Node.js, Express.js, WebRTC, Socket.io.

## Awards and Certificates

- **AWSome Day Online Conferenc(2023) :**
  - Successfully completed the AWSome Day Online Conference, gaining in-depth knowledge of Amazon Web Services (AWS) cloud computing solutions.
  - Acquired insights into best practices for cloud architecture, security, and scalability.
  - Applied acquired skills in practical scenarios through hands-on sessions and case studies.