

# KUSH AGARWAL

[CodeChef](#) | [Leetcode](#) | [Github](#) | [kush.ag786@gmail.com](mailto:kush.ag786@gmail.com) | (+91) 7987924577

## EDUCATION

### Manipal Institute of Technology

Bachelor of Technology in Computer Science - CGPA : 7.55

June 2025

Udupi, India

- Courses: Data Structures and Algorithms, Computer Networks, Databases, Operating Systems, Object Oriented Programming

### The Sanskaar Valley School

Class 12 (95%)

May 2021

Bhopal, India

### The Sanskaar Valley School

Class 10 (94%)

May 2019

Bhopal, India

## EXPERIENCE

### Matrex softwares - Backend Development Intern

November 2024 - Present

- Built and optimized RESTful APIs using Kotlin and Ktor, focusing on performance, scalability, and reliability for seamless backend functionality.
- Designed secure and efficient data management systems with full CRUD operations, implementing best practices in data handling.

### CBNITS - Frontend Development Intern

June 2024 - July 2024

- Analyzed web-based user interactions and built highly-responsive UI components using React, resulting in a 50% increase in user base.
- Converted designs and wireframes into efficient, high-quality code, developing application interfaces with JavaScript in line with React.js workflows.

## PROJECTS

### Linksave | [ReactJS](#), [NodeJS](#), [ExpressJS](#), [MongoDB](#), [Tailwind CSS](#) | [Web app](#), [GitHub](#)

October 2024

- \* Deployed an application for saving, categorizing, and managing links, with Google OAuth integration for secure user authentication and streamlined access.
- \* Implemented full CRUD functionality, allowing users to add, update, and delete links within specific categories, enhancing organization and ease of use.

### Paircode.in | [ReactJS](#), [NodeJS](#), [ExpressJS](#), [MongoDB](#), [Socket.io](#), [Tailwind CSS](#) | [Web app](#), [GitHub](#)

August 2024

- \* Developed a real-time collaborative code editor using Socket.io with URL-based session sharing, enabling simultaneous code editing with low latency.
- \* Integrated Monaco Editor with customizable syntax highlighting and designed a responsive UI in Tailwind CSS for an enhanced user experience.

### QuickBucks | [ReactJS](#), [NodeJS](#), [ExpressJS](#), [MongoDB](#), [Tailwind CSS](#) | [Web app](#), [GitHub](#)

April 2024

- \* Implemented a user-friendly interface for seamless money transfers, allowing users to initiate and manage transactions based on criteria like amount and recipient, with full CRUD functionality for transaction management.
- \* Designed secure user authentication and authorization and Integrated session management in Express for atomicity of transactions.

### Wordle game | [ReactJS](#), [Tailwind CSS](#) | [Web app](#), [GitHub](#)

February 2024

- \* Created a browser-based Wordle game using ReactJS, Tailwind CSS, and Axios. Wordle is a word-guessing game where players try to guess a hidden five-letter word within a limited number of attempts.

## SKILLS

**Web:** HTML, CSS, JavaScript, NodeJS, MongoDB, ExpressJS, ReactJS

**Languages:** Java, python, Javascript, Kotlin

**Databases:** PostgreSQL, mongoDB

**Frameworks:** Tailwind CSS, ReactJS, scikit-learn

**Tools:** Git, Github, Figma, VS Code, IntelliJ, Docker

## CERTIFICATIONS & ACHIEVEMENTS

**Coursera:** Specialization in OOAD by University of Alberta and Big Data Specialization by UCSD.

**IECSE member:** Participated in hackathons and workshops on DSA and Machine Learning.

**250+ problems** completed on Leetcode/Hackerrank/GeeksforGeeks/CodingNinjas.