

ABHISHEK

Udupi, Karnataka

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EDUCATION

National Institute of Technology Karnataka

Dec 2021 – May 2025

Btech in Department of Information Technology- **CGPA - 8.05**

Surathkal, India

EXPERIENCE

Boeing India

May 2024 – July 2024

Software Programmer Intern

Bengaluru, India

- **Modernized** a key aerospace industry application, significantly improving **user experience** and **accessibility**.
- Established robust infrastructure and skeleton code for the frontend using **Next.js**, **React.js**, and **Material-UI**.
- Developed the homepage based on wireframe designs, ensuring **responsiveness** across various devices and screen sizes.
- **Collaborated** with engineers, designers, and product managers to create a cohesive solution that meets Boeing standards and client expectations.
- Authored comprehensive **unit tests** using **React Testing Library** to maintain high code quality and functionality.

PROJECTS

News Prism 📄 | Flutter, Dart Programming language, Hive Database, Provider State Management

- Developed a **Flutter-based news app** that delivers top news articles from various sources using **News API**.
- Designed a user-friendly interface with image and description previews for each article, and integrated a **web view** to display the full content within the app.
- Implemented **Hive database** for local storage, enabling users to save their favourite articles for offline access.
- Utilized **Provider package** for efficient state management and smooth UI transitions, and added a side navigation bar for easy exploration of different sections.

Airport Management System | HTML, CSS, JS, EJS, NodeJS, ExpressJS, SQL, AWS

- Developed a **full stack** web app that lets user check flight status and related data of an airport.
- Collaborated with three team members and contributed to the **front end** and the **backend** that deals with serving the webpage.
- Delivered a user-friendly and **responsive GUI** interface using **HTML** and **CSS** and used **EJS** to templatize and reuse the HTML file.
- Created a **NodeJS** server that uses **ExpressJS** framework to serve the web pages as requested and connected it to a **Relational Database** stored on **AWS**.

Chaotic Crypto 📄 | HTML, CSS, JS, TailwindCSS, Flask, Python

- Engineered a **web app** for secure image encryption, utilizing a novel chaotic PRNG based on advanced academic research achieving **99.9%** encryption robustness.
- Developed a sleek GUI using **HTML**, **CSS**, **JS**, and **Tailwind CSS**, enhancing user interaction and visual appeal.
- Constructed the server backend with **Flask**, a robust server backend with Flask, incorporating complex chaotic maps for secure key generation and encryption processes.
- Collaborated in a team of three to implement a **user-friendly Flask-based interface** for academic exploration of image encryption techniques.

TECHNICAL SKILLS

Programming Languages: C++ , C

Development Languages: Dart, Javascript, Java, Python, Solidity

Developer Tools: VS Code, Android Studio, IntelliJ Idea, Code sandbox

Technologies/Frameworks: Linux, Git, GitHub, Docker, NodeJS, ExpressJS, Flask, Android, Flutter, ReactJS, NextJS, TailwindCSS, MUI

Soft Skills: Communication, Teamwork, Problem-solving, Stress management

EXTRA CURRICULAR

IE Technical Club: Being an active member of the club, I have hosted various KEPs, events and collaborated on group projects.

Hobbies: Graphic designing, Drawing, Video Games