# HARSH BHAGAT

Mumbai | bhagatharsh123 | Linkedin | bhagatharsh070@gmail.com | 8691839288

## SUMMARY

An Electronics and Telecommunication Engineering student with extensive knowledge in both hardware and software domains. Skilled in microcontrollers (Arduino, Raspberry Pi), PCB design, and antenna development with extensive knowledge of high-level programming languages such as C, C++, HTML, CSS, JavaScript, React.js, and Data Structures, along with experience in web development projects.

## EDUCATION

**Pillai College of Engineering** — New Panvel
Bachelor of Technology in Electronics and Telecommunication, CGPA: 9.1 — June 2021- May 2025

**Changu Kana Thakur Junior College** — New Panvel
Higher Secondary Certificate, HSC- 82.67% — May 2021

**Changu Kana Thakur School** — New Panvel
Secondary School Certificate, SSC-75.60% — May 2019

## SKILLS

- **Programming Languages**: C, C++, Java, JavaScript
- **Web Development:** HTML, CSS, Tailwind CSS
- **Relevant Knowledge:** Data Structures and Algorithms, Spring Boot (Framework)
- **Tools**: Canva, Figma, VS code, Eclipse, Postman
- **Electronics & Hardware**: Arduino Uno, Raspberry Pi, Antenna Design

## WORK EXPERIENCE

**Reva Technologies, Navi Mumbai – Web Developer Intern** — Dec 2024 – Mar 2025

- Developed and maintained the company website Revren QAI using React.js, Node.js, and Tailwind CSS with a focus on responsiveness and performance optimization.
- Designed and implemented modern UI/UX features, handling the entire development cycle from structuring pages to deployment.

## PROJECTS

**Web-Based Signature Application (DigiSignature) |** HTML, CSS, JavaScript

- Developed a lightweight, browser-based tool that allows users to digitally sign images/documents without third-party software by building a responsive canvas to draw signatures, adding export/save functionality.
- Provided a secure and convenient solution for online forms and e-documents, making digital signing faster and more accessible.

**Password Generator App (PassWiz) |** HTML, CSS, JavaScript

- Created a secure password generator that lets users customize password length and complexity (uppercase, lowercase, numbers, special characters), integrated a "Copy to Clipboard" feature,.
- Enhanced user data protection by generating strong, random, and unique passwords.

**Home Automation with Raspberry Pi |** IoT, Raspberry Pi, Python

- Designed and implemented an IoT-based smart home system using Raspberry Pi, Python, and relays to control appliances such as lights and fans remotely, while integrating real-time monitoring.
- Integrated sensors and real-time monitoring for better efficiency.

**Two-Sleeve Microstrip Antenna |** Antenna Design, Simulation Tools

- Designed and simulated a compact two-sleeve microstrip patch antenna for biomedical applications, optimizing its geometry to improve gain, reduce interference, and work efficiently at medical frequencies.
- Improved signal efficiency and tested for practical use cases.

## COURSES & CERTIFICATIONS

- C, C++ Training program certificate
- Data Structures Training program certificate
- Java Full Stack Development Training Program (Ongoing)