

PRIYANSHU BARAN (ELECTRICAL ENGINEERING)

As a B.Tech graduate with a strong academic background and expertise in Core Java, Spring Boot 3, and the MERN Stack, I am eager to leverage my skills in software development. My experience in creating innovative web designs and my passion for problem-solving equip me to make significant contributions and drive success in any development role.



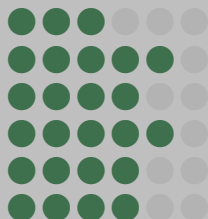
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SKILLS

Programming

Spring-boot
Java
MySQL
NodeJs
MongoDB Atlas
ReactJs



Software & Tools

AWS Linode Arduino IDE
Firebase AutoCAD MatLab

Languages

English (Professional Working Proficiency)
Hindi (Full Professional Proficiency)

CERTIFICATES

- AWS Cloud Learning
- Eduversity Training Completion
- IBM Skillsbuild Learning Completion
- Eduversity Internship Program
- NxtWave Certificate

ACHIEVEMENTS

- Got Appreciation Letter from RCB for completing first week in Code to Win Challenge

EDUCATION

Bachelors in Electrical Engineering

Chandigarh University

- 📅 2021-Present
- 📍 Chandigarh, Punjab
- CGPA: 7.5 (till 3rd year)

12th Standard

Mansarovar Public School

- 📅 2020-2021
- 📍 Bhopal, Madhya Pradesh
- Percentage: 89%

PROJECTS

E-Learning Website UI

- Aimed to leverage AWS Cognito services to build an intuitive e-learning platform while carefully considering security and privacy of the data.
- Using MERN Stack, features like user authentication, database integration for storing active users and courses list, and many more were added.

Chat Application

- Provides a strong framework for development by pairing up the MERN Stack with the Tailwind CSS Template.
- Real-time data transfer is achieved through WebSockets, enhancing the interactivity and responsiveness, backed by Firebase Authentication for secure user management.

Bluetooth-Controlled Robot Car using Esp32

- Utilized ESP32, Arduino IDE for coding, and L293D Motor Driver for precise motor control.
- BO Motors and a proper number of wheels were used for optimal movement, which was controlled via Bluetooth via the Dabble smartphone app.

Boilerplate for Websites

- Created a foundational MERN Stack website, serving as my initial full-stack project.
- Implemented Emailjs API for enhanced functionality, specifically for the 'forgot password' feature, while leveraging Netlify for hosting.

Voice Assistant using Java

- Developed a Java-based voice assistant utilizing the FreeTTS library for text-to-speech conversion and Sphinx4 library for speech-to-text conversion.
- Implemented features for seamless interaction like wake-up command, doing normal tasks, etc., ultimately enhancing the user experience.

Home Automation using Esp32

Research paper got accepted by ICMISC Springer Conference (2023)

- Implemented a home automation system using the Arduino IDE, ESP32 and relay modules to control domestic appliances like fans and light bulbs.