# PRAJIN KUMAR P

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## Education
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**BE Computer Science and Engineering**                                            2024 – Present
St.Joseph's Institute of Technology, Chennai                                          CGPA 9.12

## Experience
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*NSIC Technical Services Center*                                              Sep 2023 – Oct 2023
Python with AI and ML Intern                                                              Chennai
- Developed proficiency in Python programming, focusing on AI and machine learning concepts. • Built and optimized machine learning models for predictive analytics using libraries like Scikit-learn, and TensorFlow.

*BIG-SI-BUCKS INNOVATION*                                                    June 2024 – July 2024
- Designed intuitive user interfaces for web and mobile applications, focusing on enhancing user experience and engagement.                                    Chennai
- Conducted user research and created user personas, wireframes, and prototypes using tools like Figma, Sketch.

## Projects
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*Smart Waste Management System* | React, Html, Python, Css, Javascript, Ml, MongoDB Git        Dec 2023
- Designed a project that leverages IoT sensors installed in waste bins to continuously monitor fill levels, temperature and other Metrics.
- The system incorporates a user-friendly web interface that allows residents to report issues with waste bins, such as damage.
- This proactive approach ensures that the waste management system is prepared for fluctuations in waste volume, such as during festivals or special events.

*College Bus Tracking System* | Python, Google Maps API, HTML, Javascript, Figma,GUI Programming Git        Sep 2024
- Developed a real-time bus tracking system for college students, enabling them to track bus locations and receive updates without relying on GPS.
- Utilized Google Maps API to visualize the bus route and driver's starting location, providing live updates on bus movements through WebSockets.
- Enhanced system efficiency by implementing innovative mechanisms that do not depend on GPS, reducing operational costs.

*Learner-Mentor Connection Platform* | HTML , Javascript , Figma , CSS , Google Workspace Git        Sep 2024
- Designed and developed a web platform that connects learners with mentors for internships, mentoring, and skill development across various tech domains.
- Enabled users to register for mentorship, apply for internships, and request financial aid directly through the platform. Implemented secure user authentication and role-based access for learners, mentors and ensuring a streamlined experience for all stakeholders.

*College Hall Booking System* | HTML, Javascript,CSS,Figma, MongoDB, GUI Programming        Aug 2024
- Implemented a real-time availability ~~checker, prev~~enting booking clashes and improving resource management by 25%. Designed a user-friendly interface with ReactJS for professors to easily view available slots and reserve halls.
- Developed an automated hall booking system for college professors to book halls at specific times, ensuring no scheduling conflicts.

## Technical Skills
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|---|---|---|
| Java | ReactJS | Git Github |
| Python | NodeJS | AmazonWebServices |
| Javascript | MySQL | HTML/CSS |
| C | | |

## Achievements
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| Smart India Hackathon 2023 | (Round 2 ) |
| Intra-College Project Competition 2024 | (Top 10 ) |
| 24-Hours Hackathon Finalist 2024 | (Top 5 ) |
| Intramural Sports Football Winner | (I place) |
| CEO and Founder of TechBridge | ( Startup Company ) |

## Languages
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- Tamil – Native proficiency
- English – Professional working proficiency
- Hindi – Upper-Intermidiate

## Problem-Solving Accomplishments
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- Solved 1300+ problems on SkillRack.
- Completed 70+ problems on LeetCode.