

# BASAVARAJ R

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## CAREER OBJECTIVES

Passionate full-stack developer with strong skills in programming and data structures, focused on building real-world solutions. Fast learner and collaborative team player, driven by continuous growth and impact.

## EDUCATION

B.Tech, ISE	Rao Bahadur Y Mahabaleswarappa Engineering College.	CGPA - 8.33/10
Class XII ( PUC )	Nandi PU College, Karnataka	80.33%
Class X ( SSLC )	ST Joseph's English Med High School	77.12%

## PROJECTS

### NextGen College Advisor

[GitHub](#) | [Live](#)

- Built an **admission predictor** using **linear regression**, trained on **5 years dataset of KCET cutoff score**.
- **Analysed** data from **50+ colleges** to predict admission chances in percentages, achieving **80% accuracy**.
- Generates **personalised recommendations** with predicted cut-offs, cut-offs **visualised through graphs**.
- **Tech Stack** : React.js • Node.js • Express.js • MongoDB • ReactCharts • Tailwind CSS • Python(ML).

### Live Bus Tracking system

[GitHub](#)

- Engineered a real-time bus tracking platform using **LeafletJS** and **Geolocation**, for accurate location.
- Developed modular admin dashboards for **route management with drag-and-drop**, live tracking control.
- Built an **interactive map** for users that **visualises the current location**, sourced from the driver's device.
- Achieved a **30% reduction in passenger wait time**, enhancing the overall efficiency of public transport.
- **Tech Stack** : React.js • Node.js • Express.js • MongoDB • LeafletJS • HTML5 geolocation • Tailwind CSS.

### NeoLearn - AI Driven system for adaptive learning

[GitHub](#)

- Designed an **AI-powered coding platform** that provides real-time hints, **boosting efficiency by 30-40%**.
- Enhanced features include **resume building, lab session management** with copy-paste and tab restriction, **project monitoring**, and **team formation for hackathons**, leading to a **60% boost in collaboration**.
- Adaptive modules **help students with low technical skills**, boosting engagement **during sessions by 25%**.
- **Tech Stack** : React.js • Node.js • Express.js • MongoDB • Judge0 API • Monaco Editor • Gemini API.

## Skills

**Languages** : C, C++, Java.

**Web development** : HTML, CSS, JavaScript, React.js, Node.js, Express.js, MongoDB.

**Concepts** : Object Oriented Programming , Data Structures & Algorithms.

**Tools** : Git, GitHub, Thunder Client, Postman.

## ACHIEVEMENTS & ACTIVITIES

- Secured the **1st place among 100+ participants** in a college-wide coding competition, showcasing **analytical thinking** and **precision under pressure**.
- Won the tech quiz, ranking **1st among 80+ students**, demonstrating strong **technical knowledge** and **quick decision making**.
- Selected as a **finalist in the Smart India Hackathon** in college level, **one of the top five teams** out of over 40 teams, marks the beginning of my web development journey.