

# BALASUBRAMANI B

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## SUMMARY

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Final-year Computer Science student specializing in scalable full stack applications using Python, JavaScript, MERN stack, and Django. Hands-on experience in RESTful APIs, responsive UI design, database management, and performance optimization. Strong problem-solving skills with practical experience in Machine Learning and Cloud Computing. Seeking Software Developer / Full Stack Developer roles.

## EDUCATION

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**B.E in Computer Science and Engineering**

HKBK College of Engineering, Bengaluru

2022 – 2026

CGPA: 8.5/10

## TECHNICAL SKILLS

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**Programming:** Python, JavaScript, SQL

**Frontend:** React, HTML, CSS, Responsive UI

**Backend:** Node.js, Express.js, Django, REST APIs

**Databases:** MongoDB

**ML:** Random Forest, Model Evaluation, Data Preprocessing

**Tools:** Git, GitHub, VS Code, Postman

**Tech:** Cloud Computing

## EXPERIENCE

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**Web Developer Intern — ShadowFox**

Jun 2025 – Jul 2025

- Gained exposure to web development fundamentals and basic project workflow in Agile environment.
- Worked on mini tasks involving UI enhancements and code understanding activities.

## PROJECTS

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**BirthSense — Web + ML Based Predictive Healthcare System**

*Tech: HTML, CSS, JavaScript, Python (Random Forest), MongoDB, JWT*

- Predicts Normal vs C-Section delivery using Random Forest and clinical parameters.
- Implemented role-based authentication using JWT for secure access and data protection.
- Built interactive web interface for input submission and result visualization.

**Book Barter System — MERN**

*Tech: React, Node.js, Express.js, MongoDB, JWT*

- Implemented JWT authentication and search filtering for better user experience.

**Online Book Store — Django**

*Tech: HTML, CSS, JavaScript, Python, Django, Razorpay API*

- Integrated secure payment gateway and automated checkout workflow.

## CERTIFICATIONS

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Machine Learning — NPTEL

Cloud Computing — NPTEL

## LEADERSHIP

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Led a 4-member development team using Agile practices for timely delivery.