

Aakash Balagururaj

Software Developer

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Profile

Third-year software engineering student proficient in full-stack development, data analysis, system optimization, and application scalability. Experienced with JavaScript, Node.js, React, MongoDB, and data-driven decision making. Passionate about leveraging technology to develop high-performance software solutions

Education

M.Sc.Software Systems GPA-8.15(Till 5th semester)	2022 – present
Bharathi school (Higher secondary)	2022

Professional Experience

Cosmotech Engineers and Tradelines <i>Full-Stack Developer</i>	2025/03 – present Coimabtown
<ul style="list-style-type: none">Currently developing a fully responsive web application using HTML5, CSS3, JavaScript, and React.js. Emphasizing modern UI/UX practices, component reusability, lazy loading, and performance optimization to ensure seamless cross-device and cross-browser functionality.	

Skills

Programming Languages C,C++,JAVA,PYTHON,HTML,Javascript	Database Management: SQL, MongoDB	Frameworks Angular, React
Data Visualization Power BI	Soft Skills Leadership, Teamwork, Problem Solving	Version Control Git,Github

Projects

My Blogg 🔗 <i>MERN</i> <ul style="list-style-type: none">Designed a MERN stack blog application with real-time post updates and an intuitive user interface.Enabled CRUD operations for seamless blog creation and management.
EDITH FITNESS <i>HTML,CSS,JS,PHP</i> <ul style="list-style-type: none">A responsive gym website that offers comprehensive details about the gym's facilities, services, and trainers.Includes an easy-to-use registration system for new memberships and class sign-ups.
KADD CRIC 🔗 <i>Java Swing,Postgre SQL</i> <ul style="list-style-type: none">Built a live cricket scoreboard with real-time score tracking, team/player management, toss functionality, and customizable match settings.Optimized data storage using PostgreSQL for better performance.
Zomato Restaurant Analytics Dashboard 🔗 <i>Power BI</i> <ul style="list-style-type: none">Designed a dynamic Power BI dashboard utilizing DAX and data visualization to track restaurant performance, customer preferences, and operational trends for strategic insights.

SPRACHE-FLUX : REAL TIME TRANSLATOR [↗](#)

Python, Flask, Neural Networks

- Integrated speech recognition to convert spoken language to text, utilized neural machine translation (NMT) for language conversion, and implemented audio file translations.

Brailingo [↗](#)

Flask, Tesseract OCR

- Engineered an AI-powered Braille conversion system to extract text from images, PDFs, and handwriting.
- Integrated voice command support and tactile feedback for enhanced accessibility.

Certificates ---

- Statistics for Machine Learning – Great Learning [↗](#)
- "Get started building with Power BI" badge from Microsoft
- Supervised Machine Learning (Logistic Regression, Naïve Bayes) – Great Learning [↗](#)
- React JS Tutorial -Great Learning

Languages ---

English, Tamil, Hindi(Basic)

Interests ---

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|-------------------------------|------------------------|
| • Full Stack Development | • Software Development |
| • Machine Learning | • Data Analysis |
| • Data Base Management System | |

Achivements ---

- **Finalist** – Melinia Hackathon
- **Finalist** – Technova Hackathon
- UI/UX Design for *Cosmotech Engineers* (Figma)
- Chess, Photography