



# BIRUNDHA K

## FULLSTACK DEVELOPER

### CONTACT

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### EDUCATION

#### 2019-2020(10th)

KURINJI SENIOR SECONDARY SCHOOL (CBSE)

- Mark - 328/500
- Percentage - 65.6%

#### 2021-2022(12th)

KURINIJI SENIOR SECONDARY SCHOOL (CBSE)

- Mark - 295/500
- Percentage - 59%

#### 2022-2026

KARPAGAM INSTITUTE OF TECHNOLOGY.

· BE-COMPUTER SCIENCE AND TECHNOLOGY  
CGPA - 7.5

### SKILLS

- JAVA
- HTML
- CSS
- JAVASCRIPT
- POWER BI(dashboard)
- EXCEL
- MERNSTACK

### CERTIFICATE

- NPTEL(database management system)
- NOVITECH(Cyber Security course)
- AWS ACADEMY GRADUATE-AWS CLOUD FOUNDATION
- ETHICAL HACKER(Cisco Network academy program)
- CODECHEF(Java)
- MYANOTOMY-NCET CERTIFICATE.

### PROFILE

Bachelor of Engineering in Computer Science with a focus on FullStack web application , a Proficient in Full Stack Development, including frontend (HTML, CSS, JavaScript, React) and backend (Node.js, Express, Java), along with database management (MySQL, MongoDB). Skilled in Power BI for building interactive dashboards, data visualization, and deriving insights from large datasets.

### PROJECTS

#### VIRTUAL HERBAL GARDEN

2024-2025

- Developed an immersive 3D platform with AR/VR support for exploring medicinal plants, integrating scientific and traditional knowledge.
- Implemented AI-powered search and machine learning models to deliver personalized plant recommendations based on user needs.
- Ensured cross-platform accessibility (web, mobile, VR) and multilingual support, enhancing usability for researchers, herbalists, and medical professionals.
- Led the design of interactive features such as plant growth simulations, cross-sectional views, and real-time data visualization to boost user engagement and learning.

#### Food Waste Management System

2025-2025

- Developed a full-stack web application using the MERN stack to efficiently manage food waste. Implemented user authentication (JWT, Google/Facebook OAuth) with a responsive React frontend. Designed RESTful APIs in Express.js with MongoDB for data storage. Enabled real-time food donation and collection requests to connect donors with NGOs.
- Helps reduce food wastage by connecting donors, NGOs, and collection centers through a digital platform.
- Enables real-time donation requests, tracking, and management using the MERN stack.

#### ABC Students Dataset Analysis using Power BI

2025-2025

- Analyzed student performance data using Power BI, covering marks, subjects, attendance, and grades for actionable insights.
- Designed an interactive dashboard to visualize subject-wise scores, attendance trends, and overall academic performance.
- Identified top and low-performing students through clear charts and KPIs, enabling targeted academic support.
- Enhanced data interpretation with user-friendly visuals, making it easier for educators to pinpoint strengths and improvement areas.

#### Todo App-Full Stack Web Application

2025-2025

- Developed a full-stack task management web app using the MERN stack, featuring task creation, editing, deletion, and a responsive UI.
- Implemented secure user authentication with JWT, ensuring protected access and enhancing user experience through an optimized interface.
- Built a responsive task management web app using the MERN stack, implementing secure JWT authentication and CRUD operations with a user-friendly UI.