

# ATCHAYA VIJAYAKUMAR

Full Stack Developer

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**GitHub:** <https://github.com/Atchayavijay>



**Portfolio:** [atchaya-portfolio-07.netlify.app](https://atchaya-portfolio-07.netlify.app)



**LinkedIn:** <https://linkedin.com/in/atchaya-vijayakumar>

## Professional Summary

Motivated Full Stack Developer with hands-on experience in MERN stack (MongoDB, Express.js, React.js, Node.js) through project-based learning. Proficient in building responsive web applications, implementing authentication, and working with RESTful APIs. Quick learner with strong problem-solving skills and a passion for clean, efficient code. Ready to contribute to dynamic development teams.

## Certifications

- Full Stack **MERN** Development – **GUVI (IITM)**, 2025
- Completed hands-on training in MongoDB, Express.js, React.js, and Node.js.
- HTML, CSS & Tailwind CSS – **GUVI (IITM)**, 2025
- Certified in responsive web design using semantic HTML, modern CSS, and Tailwind CSS.

[View Certificate] (<https://atchaya-portfolio-07.netlify.app/#certifications>)

## Technical Skills and Soft Skills

- Frontend:** HTML, CSS, JavaScript, React.js
- Backend:** Node.js, Express.js
- Database:** MongoDB, MySQL
- Tools:** GitHub, Postman, Visual Studio Code, Netlify, Render
- Soft Skills:** Problem-Solving, Team Collaboration, Leadership, Communication, Time Management.

## Projects

### Auction Platform

**Tech Stack** - [HTML, CSS, MongoDB, React.js, Node.js, Javascript]

#### Description:

- Developed a full-stack real-time auction platform using MongoDB, Express.js, React.js, and Node.js.
- Implemented features like auction creation, bidding, real-time updates using WebSockets, and JWT-based authentication.
- Deployed frontend on Netlify and backend on Render; ensured responsive UI and optimized user experience.

[Git Repository] (<https://github.com/Atchayavijay/BE-AuctionBidding.git>)

### Crop Yield Prediction (AI/ML)

**Tech Stack** - [AI, HTML, CSS, Python]

#### Description:

- Built a machine learning model to forecast crop yields based on historical data.
- Created an interactive web portal for farmers to access insights, visualize data trends, and make informed decisions.
- Integrated AI-based predictions with an intuitive UI for better accessibility.

## Experience

**Full Stack Developer (Project-Based) | GUVI-IITM | 2024-2025**

- Built a real-time auction platform using the MERN stack, enabling live bidding for 1,000+ users with secure JWT authentication and WebSocket integration.
- Optimized backend queries, reducing API response time by up to 40%, resulting in a faster user experience.

**Graduate Trainee | ZF - Chengalpattu | 2023 - 2024**

- Performed quality checks and implemented process improvements, contributing to a 20% reduction in defects and improved production efficiency.
- Awarded the White Tag Championship for resolving critical production issues and optimizing workflow performance.

## Education

**Bachelor of Engineering - Electronics and Communication Engineering**

Anna University, Thanjavur | Jul 2019- Jun 2023

- [CGPA: 8.38/ 10]

**Higher Secondary**

Amalraj Matriculation Higher Secondary School, Thanjavur | Jun 2018- Mar 2019

- [Percentage: 75 / 100]