

Karthick Arumugam

karthickarumugam1510@gmail.com | +91 8778315180

EXPERIENCE

MINDTEK RESEARCH AND IT SOLUTIONS | FULL-STACK DEVELOPER

June 2023 -- Present | Nagercoil, India

- Developed scalable web applications using React.js, Express.js, PHP, Python, and MySQL.
- Designed and optimized RESTful APIs to enhance performance.
- Managed MySQL databases for efficient storage and retrieval.
- Integrated third-party APIs to expand functionality.
- Collaborated with teams to improve code quality and efficiency.
- Deployed applications on Netlify, Render, and Firebase.
- Implemented CI/CD pipelines using GitHub Actions.
- Enhanced security with robust authentication and encryption.
- Mentored junior developers via code reviews and workshops.
- Spearheaded performance optimizations, reducing load times by 30%.

PROJECTS

ONECLICK ELECTRONICS E-COMMERCE | LIVE

- **Description:** A feature-rich e-commerce platform with real-time inventory, order tracking, secure payment integration, and Firebase-based authentication. Successfully scaled to handle increased traffic.
- **My Role:** Designed and implemented backend APIs and payment systems.
- **Technologies:** React.js, Express.js, MySQL, Firebase, Bootstrap.

FABRO ROOM BOOKING | LIVE

- **Description:** A hotel booking system with real-time availability, customer authentication, and integrated payments. Improved booking efficiency via performance optimization.
- **My Role:** Developed backend architecture and implemented real-time tracking.
- **Technologies:** React.js, JavaScript, Bootstrap, Express.js, MySQL.

COLLEGE ADMINISTRATION & VIEW GALLERY | LIVE

- **Description:** A management system for student records and event galleries. Enhanced UI for seamless navigation and content management.
- **My Role:** Developed the gallery module and admin panel functionalities.
- **Technologies:** PHP, MySQL, JavaScript, Bootstrap.

PDF VOICE ASSISTANT | LIVE

- **Description:** An AI tool that reads PDFs via text-to-speech with integrated speech recognition. Achieved high accuracy for an intuitive user experience.
- **My Role:** Built speech recognition and TTS models; developed the Flask backend.
- **Technologies:** Python, PyTorch, Flask, SpeechRecognition API.

EDUCATION

UDAYA SCHOOL OF ENGINEERING | B.E. IN

COMPUTER SCIENCE & ENGINEERING
2019 -- 2023 | Nagercoil, TN

- CGPA: 8/10

GOVT. HR. SEC. SCHOOL | SSC

2018 -- 2019 | Thenmalai, Tenkasi, TN

- Score: 70%

GOVT. HR. SEC. SCHOOL | SSLC

2016 -- 2017 | Thenmalai, Tenkasi, TN

- Score: 96%

TECHNICAL SKILLS

- **Frontend:** React.js, HTML, CSS, JavaScript, Bootstrap, Tailwind CSS.
- **Backend:** Python, PHP, Express.js, Node.js, MySQL.
- **Tools:** Git, Postman, Netlify, Render, Firebase, VS Code.
- **APIs:** RESTful API design and optimization.

PROFESSIONAL SKILLS

- Time Management, Problem-Solving, Adaptability, Flexibility, Multitasking.

LINKS

- Github: github.com/karthick-noone
- LinkedIn: linkedin.com/in/karthick1525
- Website: karthick-profile.vercel.app