

# AGUNAN A

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## PROJECTS

### E-COMMERCE WEBSITE

- Built a responsive e-commerce website with a catalogue of 100+ products using **React.js, Node.js, and PostgreSQL**, reducing page load times by 30%.
- Implemented advanced **search and filtering features**, boosting product discoverability by 40% and increasing user retention by 20%.
- Integrated **secure payment gateways and authentication**, improving transaction success rates by 15% and enhancing data protection.
- Tech stack: **Reactjs, Nodejs, PostgreSQL**

### CHAT APPLICATION

- Developed a real-time chat application using **Node.js, Express.js, and Socket.io**, enabling instant messaging with a 20% reduction in latency.
- Implemented **user authentication and message encryption**, enhancing security and improving user data protection by 30%.
- Designed an intuitive UI with **React.js**, increasing user engagement by 25% and boosting retention rates by 15%.
- Tech stack: **Reactjs, Nodejs, Expressjs, Firebase**

### REAL-TIME WEATHER APP

- Developed a **weather application using React.js and OpenWeather API**, delivering real-time weather updates with a 95% accuracy rate.
- Implemented **geolocation features** to provide location-specific forecasts, improving user experience by 30%.
- Optimized **API calls and UI components**, reducing load times by 40% and increasing overall app performance.
- Tech stack: **React.js, Node.js**

## EXPERIENCE

**WHEELS INDIA LIMITED** | GRADUATE ENGINEERING TRAINEE  
sep 2022 – sep 2024 | Chennai, Tamilnadu

- Worked with the **KUKA Industrial Robot Programming** team on the production and maintenance of robot operations.
- **Troubleshooted and debugged** any issues in the programming code and mechanical functionality of the robot.

## LINKS

- LINKEDLN: [//linkedin.com/agunan18](https://www.linkedin.com/in/agunan18)
- Github: [//github.com/agunan](https://github.com/agunan)
- Website: [//www.agunan11.com](https://www.agunan11.com)

## EDUCATION

**Sri Ranganathar Institute of Engineering and Technology**, Coimbatore, Tamilnadu  
BE Electrical and Electronics Engineering  
CGPA: 9.0/10 | GRAD: (2022)

**Pattukkottai Polytechnic College**  
Diploma in Mechatronics Engineering  
Thanjavur, Tamilnadu  
Percentage: 93 | GRAD: (2019)

**S.E.T Vidhyadevi Matric.HR SEC**  
HSC-2017  
Thanjavur, Tamilnadu  
Percentage: 82

**Kasilingam Matric.HR SEC**  
SSLC-2015  
Thanjavur, Tamilnadu  
Percentage: 97

## HARD SKILLS

- Frontend: **html5|css3|Javascript(ES6)**
- Backend: **Node.js|Express.js|python**
- Database: **SQL|PostgreSQL|MongoDB**
- Framework: **Reactjs|jQuery**

## TOOLS/TECHNOLOGIES

- NPM | JASON | BABEL
- JSON Web Token (JWT)
- Git, GitHub and version control
- Rest APIs | Postman
- Bash Command line
- Chrome Developer tool and Debugging
- React Hooks | Flexbox | Grid

## SOFT SKILLS

- Productivity Management
- Diligence in detail
- Error Mitigation
- Motivated Learner
- Innovative Solutions

## COURSEWORK

- **Full-stack Web Development course**
- **Python Programming course**
- **Data Structures and Algorithms course**
- **Ethical Hacking course**