

HARSH AGRAWAL

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Education

Bachelor of Technology

Computer Science and Engineering

Jul 2021 – June 2025

8.0 CGPA

Technical Skills

- **Languages:** Java, C++, C#, JavaScript, TypeScript
- **Core CS Concepts:** Data Structures, Algorithms, Object-Oriented Design, Distributed Systems
- **Frontend:** React.js, Redux, Redux-Saga, HTML5, CSS3, Bootstrap, Tailwind CSS, jQuery, AJAX, Kendo-UI
- **Backend:** Node.js, Express.js, ASP.NET Web API, Spring Boot*
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis, ElasticSearch
- **DevOps & Tools:** Git, GitHub, Docker, AWS (EC2, S3), Postman, VS Code, IntelliJ IDEA
- **Messaging & Queuing Sustersms & System Authentication:-** RabbitMQ , JWT , OAuth2
- **Testing & Build Tools:** Jest, React Testing Library, Webpack, CI/CD

Experience

Casepoint LLC

Software Engineer

Jan 2025 – Present

Surat

- * Developed a scalable full-stack **Job Recruitment Platform** enabling **10,000+** candidate-recruiter interactions with real-time listings and profile management, improving job match success by **20%**.
- * Engineered secure role-based access using **ASP.NET Web API & MVC**, implementing **JWT** and **OAuth2** protocols, resulting in **100%** elimination of unauthorized access and aligning with security compliance standards.
- * Integrated powerful live search and bookmarking features with **jQuery** and **ElasticSearch**, enhancing search speed and accuracy by **45%** and improving user experience.
- * Leveraged **Kafka** for asynchronous communication between services (e.g., job submission, recruiter notifications), increasing system **scalability**, decoupling services, and improving message reliability.
- * Optimized database performance using **PostgreSQL** and **Redis** caching strategies, reducing average response time by **40%** and significantly improving application throughput.
- * **Technologies:** **ASP.NET Web API, ASP.NET MVC, PostgreSQL, Redis, ElasticSearch, Kafka, JWT, OAuth2, Kubernetes, Docker, AWS EC2, jQuery, Kendo UI, AJAX**

Projects

E-Waste Trade Hub

Parul University — Guided by Bhasha Anjaria and Rachit Mishra

June 2023 – Feb 2025

- Revolutionized **e-waste management** by creating a secure and scalable E-Waste Trade Hub, driving sustainable recycling and efficient digital transactions.
- Empowered seamless e-waste trading by enabling **sellers** to showcase products with images and buyers to submit offers, ensuring transparency and efficiency.
- Developed an offer acceptance/decline system and reward-based incentives, increasing user engagement by **30%**.
- Designed an intelligent ticketing system that auto-categorizes concerns, reducing issue resolution time by **40%**.
- Implemented an AI-powered **chatbot** to handle user queries, providing 24/7 automated support and reducing manual intervention.
- **Technologies:** React, Node.js, Express, MongoDB, Tailwind CSS, Docker, AWS, jQuery, Redis.

Achievements

- * Developed advanced coding solutions that resulted in an impressive **ranking of 2063** among over **30,000** participants during a global LeetCode contest, exemplifying strong algorithm development capabilities.
- * Ranked **2063** globally among 30,000+ participants in a **LeetCode Contest**, showcasing algorithmic proficiency.
- * Reached the **final round** of a **Code Debugging** competition, placing in the top **10,000+** participants.