

# AARNA CHAUHAN

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## SUMMARY

Full stack developer with strong problem-solving skills and hands-on experience building scalable web applications using the MERN stack. Proficient in designing and developing RESTful APIs, implementing secure authentication and authorization, and managing efficient data flow with MongoDB. Solid understanding of Data Structures & Algorithms, Object-Oriented Programming, and modern web development practices, with a focus on writing clean, maintainable, and performance-oriented code.

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## SKILLS

**Frameworks & Libraries :** React.js, Node.js, Express.js

**Languages :** Python, JavaScript, C, C++, HTML, CSS

**Data Management :** MongoDB, MySQL

**Tools & Platforms :** Git, GitHub, VS Code, Stripe API, Razorpay API

**Concepts :** REST APIs, JWT Authentication, OOP, DSA

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## EXPERIENCE

### Open Source Contributor | GirlScript Summer of Code (GSSoC)

October 2024

- Integrated three accepted Pull Requests (PRs) across open-source repositories.
  - Demonstrated advanced proficiency in Git, Version Control Systems (VCS), and collaborative development.
  - Executed diverse development tasks, including feature enhancements, code reviews, and critical bug fixes,
  - successfully achieving the Level 3 Hacktoberfest 2024 badge.
  - **Tools & Technologies:** React.js, JavaScript, Node.js, HTML/CSS, Git, GitHub
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## EDUCATION

### National Institute Of Technology, Patna

B.Tech. in Computer Science Engineering | CGPA: 8.00

July 2023 - June 2027

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## PROJECTS

### HostelEase : Built a full-stack hostel complaint management system using the MERN stack with JWT-based authentication for students and admins.

[GitHub](#)

- Implemented AI/NLP-based keyword filtering to auto-categorize complaints and identify urgent issues.
- Streamlined resolution for 100% of complaints by improving tracking efficiency through the development of responsive AI-driven dashboards and JWT-secured authentication .
- **Technology/Tools:** React.js, Node.js, Express.js, MongoDB, JWT, AI/NLP

### DoorStep : Built a full-stack food delivery app with secure Stripe payments and JWT authentication.

[GitHub](#)

- Optimized order fulfillment by 30% as measured by reduced server response times through the implementation of indexed MongoDB aggregation queries .
  - Secured 100% of financial transactions by architecting a seamless payment flow using Stripe API integration and JWT-based authentication .
  - **Technology/Tools:** React.js, Node.js, Express.js, MongoDB, JWT
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## ACHIEVEMENTS

### Problem Solving & Competitive Programming

Solved 550+ DSA problems and achieved a 1300 CodeChef rating, demonstrating strong algorithmic skills.

### Smart India Hackathon

Shortlisted twice among 60 college teams by showcasing advanced problem-solving and coding expertise in competitive challenges.