CHENNABOINA SHIVA KUMAR YADAV

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About

Final-year CS& Data Science student with proven experience in full-stack development to build and deploy scalable, high-performance applications. A collaborative team player seeking to apply robust software engineering skills and a passion for AI/ML to solve complex problems in an entry-level role.

Projects

ZenStay - *A Vacation-rental Booking Application*   **Github Repo**

- Built an **MVC-based full-stack** web app using Node.js, Express, MongoDB (Mongoose,Atlas), EJS with **20+ RESTful CRUD routes** for properties/bookings, **schema validations**, data relationships, and **custom middlewares** for error handling and flash messaging.
- Implemented user **authentication and authorization** for secure login and registration, integrated image upload functionality for property listings using **cloud storage**, and **deployed** the application to a live production environment with configured environment variables.
- Developed a **dynamic server-rendered UI with EJS** and **responsive** CSS integrated with back-end data for real-time listings, bookings, and user flows, while structuring the code into **modular 10+ controllers/routes/models/views/utils**, managing dependencies, used **cloud** and configuring environment settings.
- **Technologies: Node.js, Express.js, EJS, RESTful APIs, JavaScript, HTML5, CSS3, Bootstrap, MongoDB, Mongoose, Git, Cloud.**

Chat Application - Backend Focused   **Github Repo**

- Constructed a scalable MVC-based backend with Node.js, Express.js, and Mongoose—developing **10+ RESTful APIs for end-to-end CRUD operations**, boosting maintainability and accelerating feature delivery by 50%.
- Integrated Nodemon for live server reloading, streamlining development iterations by 30% and enabling faster, more efficient deployments.
- **Technologies: Javascript, Node.js, Express.js, REST APIs, Mongodb, Mongoose, Git**

Weather Application   **Github Repo**

- Built a **responsive** weather application using **React and Material UI** Supporting 1000+ cities for **real-time** weather updates.Integrated **Weather API** for live data and used **Redux for global state management across 10+ components.**
- Implemented **React Hooks, Router**, and responsive layouts with CSS **Flexbox/Grid**, managing 100+ lines of modular code with Git/Github.
- **Technologies: React,Vite, Material UI, Redux, Weather API, React Router & Hooks, CSS3,JavaScript, HTML5,Git.**

Skills

Languages & Frontend: Python, Java, JavaScript,TypeScript(Basic), R, SQL, HTML, CSS, Bootstrap, React, Material UI

Backend & Databases: Node.js, Express.js, EJS, jQuery ,RESTful APIs, Mongoose, MongoDB, MySQL, Npm

Tools & DevOps: Git, GitHub, Postman,VS Code, Hoppscotch ,Docker, CI/CD, Kubernetes, Redux

Core Skills & Soft Skills: Data Structures and Algorithms, OOP, SQL/MongoDB queries, competitive programming, problem-solving, communication, adaptability, leadership ,teamwork.

Experience

Software development Intern | Bluestock Fintech   Jun 2025 – July 2025

- Built production-level web applications by developing REST APIs using Node.js, integrating **authentication, designing MySQL databases, testing APIs** in Postman, and building responsive frontend modules using ReactJS.
- Delivered features end-to-end in an **Agile setup** — including **API integration**, dummy data setup, bug fixing, deployment documentation, and environment configuration — consistently meeting 1–2 week sprint timelines and aligning outputs with business goals.
- **Technologies & Tools: Node.js, REST API, ReactJS, MySQL, Postman, Git/GitHub, Documentation, Agile, JavaScript**

Web Developer Intern | Codsoft | Remote   Dec 2024 – Jan 2025

- Responsive portfolio site **(HTML, vanilla CSS)** with bio, skills, projects and a downloadable resume.
- Developed a 5-page responsive college landing page, delivering the project **20% ahead of schedule.**Built a dynamic JavaScript calculator with **12+ advanced functions** and comprehensive error handling.
- **Technologies:HTML, CSS, Javascript, Git**

Education

Nalla Narashimha Reddy Group of Institutions - BTech   Nov 2022 – May 2026

- **C**omputer science and Data science. (7.6/10)

Certificates & Extracurriculars

- Active **LeetCode** solver, regularly solving **algorithm and data structure** challenges to enhance coding efficiency and problem-solving skills
- **Google Student Ambassador:** Collaborated with a nationwide network of student innovators, leading discussions, mentoring peers in **Google technologies** and attending Google Events/Workshops.
- **Built GoXplore and Secured a Top-10** finish among 1000+ Members at a **National-level hackathon**, demonstrating rapid prototyping, Team collaborative development skills.
- **Certifications:** Full-Stack Web Development (Apna College), JavaScript (Udemy) and More
- Participated in **multiple hackathons** including **Smart India Hackathon**, demonstrating practical **problem-solving** and project development skills.