

ABHINAV CHERUKU

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SUMMARY

Aspiring Frontend Developer with hands-on experience in building responsive, user-friendly web applications using React.js and modern JavaScript frameworks. Proficient in crafting clean, maintainable UI code, integrating APIs, and optimizing performance. Focused on creating efficient, scalable front-end solutions aligned with real-world needs.

EDUCATION

VNR Vignana Jyothi Institute of Engineering and Technology Aug 2023 – Jul 2027 (Expected)
Bachelor of Technology in Information Technology CGPA: 8.8/10.0

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL
Technologies/Frameworks: HTML, CSS, React.js, Tailwind CSS, Node.js, Express, MongoDB
Developer Tools: VS Code, Git, GitHub
Computer Science: Data Structures, OOP, DBMS, Operating Systems

EXPERIENCE

Tech-Lead Intern May 2025 – Jul 2025
Viswam.AI (Swecha + IIITH Initiative), Hybrid

- Contributed to the development of AI pipelines using **Python**, **NLP**, and Transformer models, helping process over **5k+** Indic language text samples.
- Assisted peers in training and fine-tuning **AI/ML models**, leading to a modest **8-10% accuracy improvement** in test runs.
- Helped curate and annotate a dataset of **3,000+** Indic sentences, improving data quality for downstream tasks.
- Collaborated with a team of **6 interns and mentors** to design small-scale prototypes for Indic language AI solutions.

PROJECTS

Lumora [↗](#)
[abhinavppwork/Lumora](#) [↗](#)

- Built an online educational platform using **React.js** and **Tailwind CSS**, organizing over 50+ lectures.
- Implemented topic-wise filtering, reducing search time by **85%**.
- Restricted access to college domain emails for content security.

Chat Application [↗](#)
[abhinavppwork/ChatApp](#) [↗](#)

- Built a real-time chat app (MERN + WebSocket) handling **200+ concurrent users** with median message latency **<80 ms**.
- Implemented JWT-based auth and role-based access control, driving **0 unauthorized sessions** across **1k+** logins.
- Shipped a responsive DaisyUI interface and message persistence, lifting mobile task completion by **40%** and session duration by **35%**.

Digital Academic Library [↗](#)
[abhinavppwork/digital-library](#) [↗](#)

- Deployed a React.js + Tailwind CSS library serving **300+ curated resources** to **200+ users** with avg. page load **<1.2 s**.
- Integrated a Gemini-powered chatbot that auto-resolved **75%** student FAQs, cutting TA response time by **60%**.
- Enabled teacher uploads and role-based access; boosted weekly active users by **40%** within the first month.

CERTIFICATIONS

- JavaScript Essentials 1 – Cisco Networking Academy (Apr 2025)
- JavaScript Essentials 2 – Cisco Networking Academy (Apr 2025)
- Winner – Webathon 3.0 (ACM VNRVJIET) (Mar 2025)
- Participant – WebAlchemy Mini Hackathon (Feb 2025)

ACHIEVEMENTS

- Winner – Webathon 3.0 (Full Stack Development Hackathon by ACM VNRVJIET)
- Developed Learning Platform – Built a website for college students to browse and watch mentor-led lectures