KUNCHAPU AMMORU

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INTERNSHIPS

Technical Hub   **Kakinada, Andhra Pradesh**

Full Stack Developer Intern | *Surampalem, East Godavari, Andhra Pradesh, India* | Link   **May 2025 – June 2025**
- Gained 85% proficiency in MERN stack (MongoDB, Express.js, React.js, Node.js) by building scalable web applications.
- Improved **API development speed by 70%**, learning **RESTful API design, authentication (JWT, Firebase),** and **database management**.
- Enhanced **UI/UX efficiency by 65%**, mastering **Tailwind CSS, Material UI, and Bootstrap** for responsive design.

Data Structures Intern | *Surampalem, East Godavari, Andhra Pradesh, India*   **Feb 2024 – June 2024**
- Gained hands-on data structure and algorithm experience through a rigorous four-month internship.
- Conducted problem analysis, enhanced algorithmic understanding, and executed optimized code.
- Achieved a personal milestone by solving over 150 coding challenges on platforms such as LeetCode and CodeChef; consistently ranked in the top 5% of participants, showcasing advanced **DSA** skills and algorithmic proficiency.

TECHNICAL SKILLS

- **Programming Languages:** Java | Python | JavaScript.
- **Frontend:** React.js, React Native | HTML | CSS | Bootstrap | Tailwind CSS |Material UI.
- **Backend:** Node.js | Express.js | REST APIs.
- **Concepts:** Data Structures & Algorithms (DSA) | Object-Oriented Programming (OOP).
- **Databases:** MongoDB | MySQL | Firebase.
- **Tools & Others:** Git | GitHub (Version Control) | VS Code | Postman.

PROJECTS

Quick Docs   **React Native | Express | Google Cloud | MongoDB | AI | Razorpay**
- Architected a **cross-platform app** to help students, professionals, and business owners securely store and manage documents, with advanced encryption (**SHA-based hashing** and **encrypted** MongoDB storage) to ensure privacy**.**
- Introduced **AI features** including **Retrieval-Augmented Generation** (RAG) to extract key data with 95% accuracy, a custom **AI chatbot** ("Agent QD") that resolved 80% of user queries autonomously, and a **voice-to-voice** assistant with **native language support** to make the app accessible for all common people, including those with low digital literacy.
- Developed **premium subscription plans** (Pro, Ultra Pro, Ultra Pro Max) with Razorpay **payment integration** and an analytics dashboard for tracking user activity and document interactions, enhancing user experience, and scalability.

Late Comer   **React.js | MongoDB | Express.js**
- **Built** a web application for **educational institutions**, delivering real-time tracking of **students and faculty's late arrivals**, improving attendance monitoring by **50%**.
- **Established** automated **email and SMS notifications**, ensuring timely alerts to **parents and guardians**, reducing late arrivals by **30%**.
- **Instantiate** a **weekly reporting system**, streamlining data sharing with **HODs, principals, and campus administrators** for better decision-making.

Bus Live Tracking   **React.js | MongoDB | Express.js | IoT**
- Designed and deployed an **innovative** transport hub website leveraging the **MERN stack and IoT technology** to provide **real-time live tracking**, navigation to the bus, **data visualization,** and various transport department services.
- Implemented a responsive user interface with **React.js** and managed **backend APIs** using **Express.js** and **MongoDB**, ensuring **seamless communication** and data management.
- Successfully deployed the project on **Vercel**, optimizing **performance** and accessibility for end-users.

ACADEMIC ACHIEVEMENT

- **Leetcode:** Solved **220+** coding problems, **March month** badge at LeetCode.
- Secured **1st place** in Code Carnival at our University (2023).

CERTIFICATIONS

Network Certifications
- CCNA: Introduction to Networks | *Cisco*   **-Link**
- Red Hat Certified System Administrator (RHCSA) | *Red Hat*   **-Link**

Programming Languages
- Python | *Red Hat*   **-Link**
- Java | *Oracle, Harvard University (edX).*   -**Link**

Web Development
- IT Specialist - HTML and CSS   **-Link**
- IT Specialist - JavaScript   **-Link**

EDUCATION

Aditya University | Surampalem, Andhra Pradesh   **2022 – 2026**
Bachelor of Technology in Computer Science and Engineering (AI & ML)   CGPA: 8.14/10

Oxford Junior College | Guntur, Andhra Pradesh   **2020 – 2022**
Senior Secondary (class XII)   Percentage: 80.3%