DHRUV REDDY SRIPATHI

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EXPERIENCE

Full Stack Developer Intern | **Axon Development** | Texas, United States **Dec 2025 – Feb 2026**

- Built and launched the official digital platform for **WestBrookHomes**, a US-based luxury real estate brand, owning the **full development lifecycle**.
- Engineered responsive, **pixel-perfect** frontend interfaces using **React** and **Tailwind CSS**, ensuring **cross-device consistency** and seamless user experience across the platform.
- Automated **lead capture and tracking** workflows through **API integrations**, reducing manual lead handling time by **60%**.

Tech Stack: TypeScript, React, Tailwind CSS, PHP

AI Research Intern and Team Lead | **OTBI**, Osmania University **Jun 2025 – Jul 2025**

- Directed a 3-member team to architect an AI-based **groundwater prediction and mapping system** processing **10,000+** data points.
- Engineered **data pipelines**, **preprocessing workflows**, and **scientific visualizations** for analysis and automated reporting.
- Applied **cubic interpolation**, **Gaussian smoothing**, and statistical methods, achieving **85%+ prediction accuracy** against **PQWT GT500** readings.

Tech Stack: Python, Pandas, NumPy, SciPy, Matplotlib, Tkinter

TECHNICAL SKILLS

Languages: C, C++, Python, Java, JavaScript, TypeScript, HTML, CSS, SQL
Frameworks and Libraries: Flask, React.js, Vue.js, Express.js, Node.js, Bootstrap, Tailwind CSS, SQLAlchemy, Jinja2
Databases and Platforms: MongoDB, Firebase, Redis, SQLite, MySQL, Cloudinary, Vercel, Render, PythonAnywhere
Tools and Concepts: REST APIs, Git, GitHub, Celery, Debugging, OOP, DBMS, Data Structures, Algorithms
AI Tools: Claude, Codex, Gemini, Lovable, Grok, Stitch, Bolt, Cursor, Antigravity, Replit, n8n

PROJECTS

CodeSync | Competitive Programming and Career Readiness Platform | Live

- Designed a full-stack platform integrating **5+ major CP platforms** and **GitHub** for **unified analytics**, **benchmarking**, and **performance tracking**.
- Constructed dashboards for **contest tracking**, peer comparison, coding activity analysis, and student performance insights for **200+** users.
- Implemented a **multi-language code editor**, **AI chatbot**, and **ATS-oriented career tools** using backend APIs and full-stack integrations.

Tech Stack: Node.js, Express.js, React.js, Firebase, MongoDB, REST APIs

Healthcare Management System | Live

- Architected a full-stack healthcare platform supporting **3 user roles** for **appointment scheduling**, **treatment tracking**, and **clinic administration**.
- Crafted **role-based dashboards** for **Admin, Doctor, and Patient** workflows with secure **JWT authentication** across **15+ API endpoints**.
- Integrated **background task processing** with **Celery**, **Redis** caching, and **report generation**, reducing **response time** by 40%.

Tech Stack: Flask, Flask-JWT-Extended, SQLAlchemy, Celery, Redis, Vue.js, Axios, Bootstrap

Ascend | Online Learning System | Live

- Created a modular **course creation and learning platform** hosting courses with structured module and topic management.
- Established **draft publishing**, **responsive UI**, **media uploads**, and validation for smooth instructor workflows, reducing form errors by **70%**.
- Leveraged **Cloudinary** for **media storage and delivery**, optimizing **asset load times** to **under 2 seconds** across all devices.

Tech Stack: Flask, MongoDB, Cloudinary, HTML, CSS, JavaScript, Bootstrap

AI-AUGMENTED WORKFLOW

- Leverage AI tools like **Claude**, **Gemini**, **Grok**, and **Codex** across the **full development lifecycle** from ideation and architecture planning to implementation and debugging accelerating **delivery speed** by up to **10x** without compromising code quality.
- Use **Cursor**, **Lovable**, **Bolt**, **Replit**, and **Stitch** for **rapid prototyping**, **scaffolding**, and iteration transforming ideas into **working MVPs** in hours instead of days while maintaining full ownership of architecture and logic.
- Apply AI-assisted workflows strategically for **code generation**, **refactoring**, **testing**, and **documentation** treating AI as a **force multiplier** to ship reliable, **production-grade** software faster and more efficiently.

LEADERSHIP AND ACHIEVEMENTS

- Winner, **Data Dynamo 2.0 national hackathon** (**24 hours**, **65+ teams**, **300+ participants**); built **CodeSync**, a smart campus platform for **competitive programming** evaluation.
- Founder, **ByUsForU** (freelance.byus4u.in), an independent **digital studio** delivering **5+ strategic** web platforms and digital experiences for growing businesses.
- President, **ASTRA Tech Club**, **MVSR Engineering College**; led a **25+ member** team to organiz technical events, coding contests, and spearheaded **DevLoop**, a **web development bootcamp**.

EDUCATION

MVSR Engineering College | Hyderabad, India **Sep 2023 – Present**
B.E. in Computer Science and Information Technology | CGPA: 9.43

IIT Madras (BS Online Degree in Data Science) | Online **Sep 2023 – Present**
Foundation Level & Diploma in Programming completed; pursuing Diploma in Data Science