

SURYAKIRAN VALAVALA

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EDUCATION

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

Sep 2024 - Mar 2026

Master of Science in Computer Science and Engineering — CGPA: 4.0/4.0

GITAM UNIVERSITY

Aug 2020 - Apr 2024

Bachelor of Technology in Computer Science and Engineering — CGPA: 3.98/4.0

TECHNICAL SKILLS

Programming Languages: C/C++, Python, JavaScript, Java

Frameworks/Libraries/Technologies: Node.js, Express.js, React.js, Angular.js, RESTful APIs, Tailwind CSS

Databases: MongoDB, Firebase, MySQL

Developer Tools: Git, Postman, VS Code, Docker, Jenkins, AWS, Jira

IT Constructs: DSA, OOPs, LLD, DBMS, OS, CN, GenAI

EXPERIENCE

Software Engineer Intern

Apr 2023 - Jun 2023

Phoenix Global

Hyderabad, India

- Collaborated with a **4-member team** to develop and deploy a machine learning-based recommendation system, achieving over **90% accuracy in suggestions**.
- Contributed to a **10% reduction in post-deployment bugs** through active participation in code reviews and adherence to best practices.
- Recognized with **Star Intern Award** for valuable contributions to the project and effective teamwork.

Software Engineer Intern

Jul 2023 - Sep 2023

Code Clause

Hyderabad, India

- Revamped app navigation and frontend functionalities, resulting in a **20% reduction in screen load times** and a **25% improvement in overall application performance**.
- Translated intricate UI designs into efficient and maintainable code using React Native's component-based architecture, achieving a **30% reduction in development time**.
- Designed and implemented advanced features such as intuitive gestures, real-time rate updates, chatbot integration, and Instagram-inspired user stories, which led to a **40% increase in user engagement**.

PROJECTS

- **LearnNexis (Ed-Tech Platform)** — [GitHub](#) — [Live](#)
 - Created a **full-stack platform** for creating, consuming, and rating educational content.
 - Developed **secure user authentication and authorization** using JWT and Bcrypt.
 - Integrated **Razorpay for payment processing** and implemented **OTP verification** and **password reset functionality**.
 - Deployed **front-end on Vercel** and **back-end on Render**, supporting up to **1,000 users**.
 - Tech Stack: **MongoDB, Express.js, React.js, Node.js, Redux, JavaScript, JWT, Bcrypt, Cloudinary**.
- **CinemaGuide (Recommendation System)** — [GitHub](#) — [Live](#)
 - Built a content-based movie recommendation engine by analyzing a dataset of nearly **5,000 movies**.
 - **Achieved 92% accuracy in movie suggestions** using cosine similarity algorithm.
 - Developed a **web application** to display the **top 5 recommended** movie titles with posters, integrated the **IMDb API** for additional information.
 - Tech Stack: **Python, NumPy, Pandas, Scikit-Learn, Matplotlib, Seaborn, JavaScript, Streamlit**.