

# 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**.