

SURYAKIRAN VALAVALA

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EDUCATION

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

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

Sep 2024 - Mar 2026

Santa Cruz, CA

GITAM UNIVERSITY

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

Aug 2020 - Apr 2024

Hyderabad, IND

TECHNICAL SKILLS

Languages: C++, Python, JavaScript, Java, SQL

Frameworks & Libraries: React.js, Node.js, Express.js, Django

Databases: MongoDB, MySQL, PostgreSQL, Firebase

Developer Tools: Git, Docker, AWS (S3, EC2), CI/CD, Jenkins, Postman

Core Concepts: Data Structures, Algorithms, OOP, System Design, ML/AI

EXPERIENCE

Software Engineer Intern

Phoenix Global

Apr 2023 - Jun 2023

Hyderabad, India

- Architected ML recommendation system achieving **90%+ accuracy**, resulting in **15% higher** user engagement and **22%** improved customer retention
- Implemented CI/CD pipeline with automated testing, reducing deployment time by **25%** and post-launch bugs by **10%**
- Collaborated with cross-functional teams using Agile methodology to deliver project **2 weeks ahead** of schedule

Full-stack Developer Intern

CodeClause

Jul 2023 - Sep 2023

Remote

- Engineered React Native application with optimized architecture, reducing screen load times by **20%** for **1,000+ daily users**
- Developed **12+ reusable UI components**, decreasing development time by **30%** and enhancing code maintainability
- Integrated real-time features and chatbot functionality with RESTful APIs, delivering **40% increase** in user engagement

PROJECTS

LearnNexis (Ed-Tech Platform) — [Live](#)

- Developed full-stack application supporting **1,000+ concurrent users** with **99.9%** uptime and responsive design
- Implemented JWT/Bcrypt authentication ensuring OWASP compliance and reducing vulnerability risks by **85%**
- Integrated Razorpay payment gateway processing **200+ transactions** with **zero failures** and **35% faster** checkout
- Tech Stack: MongoDB, Express.js, React.js, Node.js, JWT, Bcrypt, Cloudinary*

CinemaGuide (Recommendation Engine) — [Live](#)

- Built movie recommendation engine analyzing **5,000+ movies** with **92% accuracy** using cosine similarity algorithms
- Optimized data pipeline using NumPy/Pandas, reducing processing time by **40%** for **500MB+** of movie metadata
- Deployed Streamlit web application with IMDb API integration, achieving **4.8/5 user satisfaction** rating

AWARDS & ACHIEVEMENTS

- Merit Scholarship Recipient** - Maintained top 1% academic standing in CSE department throughout undergraduate studies, securing full tuition scholarship for all 8 semesters from 2020 to 2024
- Star Intern Award** - Recognized by Phoenix Global for valuable project contributions and effective teamwork
- CodeCraft Champion** - Secured 1st place among 200+ participants in GITAM University's prestigious annual coding competition
- GITAM Science Fair Winner** - Developed an image classification system for plant disease detection using Python, OpenCV and TensorFlow with 94% accuracy