

# Manav Mehta

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## Professional Summary

An ambitious computer science undergraduate with hands-on experience building scalable web applications, real-time systems, and deep learning models. Proficient in full-stack JavaScript (MERN), cloud deployments on AWS and DigitalOcean, and machine learning frameworks. Strong problem-solving skills are demonstrated through competitive programming and real-world projects.

## Education

### VIT-AP University, Amaravati

*B.Tech in Computer Science CGPA: 8.77/10*

Sept 2022 – Aug 2026

### Sri Viswasanthi Educational Institutions

*Class XII (CBSE) Percentage: 95.2%*

### Sri Viswasanthi Educational Institutions

*Class X (CBSE) Percentage: 96.2%*

## Technical Skills

**Programming Languages:** Python, Java, JavaScript, SQL, HTML, CSS

**Web Development:** Frontend Development (React, HTML, CSS, JavaScript), Backend Development (Node.js, Express), REST APIs, Socket.io

**Databases:** MongoDB, MySQL

**Cloud & Deployment:** AWS (EC2, SES), DigitalOcean, Netlify, Render, CI/CD

**Machine Learning & AI:** CNN, Generative AI

**Tools:** Git, GitHub, VS Code, IntelliJ, PyCharm, Linux

## Projects

### FoodFreaky - Full-Stack Food Delivery Web App

Sept 2025

*React, Node.js, Express, MongoDB, AWS, DigitalOcean — Live Demo*

- Engineered a MERN-stack platform with role-based JWT authentication (User, Admin).
- Deployed frontend on Netlify and backend on DigitalOcean; configured CI/CD pipelines, CORS, and secure environment variables.
- Implemented a dynamic shopping cart using React Context API and a robust REST API for full CRUD operations.
- Automated PDF invoice generation and email delivery using AWS SES and server-side PDF tooling.

### Real-Time Anonymous Chat Platform

June 2025

*Node.js, Express, Socket.io, AWS EC2 — Live Demo*

- Designed and scaled a real-time chat system supporting 50,000+ concurrent users with load-tested WebSockets.
- Implemented encrypted messaging over Socket.io and deployed resilient backend services on AWS EC2 with autoscaling considerations.

### Emotion Detection using CNN and VGG16

Mar 2025

*Python, TensorFlow, Keras — GitHub*

- Engineered a facial emotion detection pipeline using CNN and VGG16 transfer learning for feature extraction.
- Executed data preprocessing, augmentation, and model evaluation; achieved 90%+ accuracy on benchmark datasets and optimized inference latency.

## Experience

### Chegg Inc.

Mar 2023 – May 2024

*Subject Matter Expert — Advanced Mathematics (Remote)*

- Delivered 300+ advanced math solutions (Calculus, Linear Algebra) with an average student rating of 4.9/5.
- Collaborated in an agile environment to ensure accuracy, clarity, and timely delivery of solutions.
- Mentored new contributors on best practices for problem-solving and solution formatting.

## Achievements

- Solved 450+ DSA problems on LeetCode; Contest Rating 1700 (Top ~20%).
- Scored 99+ percentile in Mathematics in JEE Mains, demonstrating strong analytical and problem-solving skills.

## Certifications

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- MERN Full-Stack Developer, Blackbucks (2025) – Certificate
- MongoDB Certified Developer, MongoDB University (2025)

## Relevant Coursework

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- Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Deep Learning

## Languages

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- English (Fluent), Hindi (Native), Telugu (Intermediate)