

NEELU KUMAR

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CAREER OBJECTIVE

Passionate about software engineering with strong proficiency in Data Structures and Algorithms. Driven by curiosity to understand systems deeply and motivated by analytical, problem-solving. Prioritizing backend engineering and scalable system design for SDE roles. Additionally, I maintain an active curiosity in Machine Learning and AI Core, exploring how intelligent systems work internally.

EDUCATION

Bachelor of Technology in Computer Science

Indian Institute of Information Technology, Sri City (Chittoor)

Course Duration: 4 Years

Current Status: Moving to Sixth Semester (Third Year)

CGPA (up to Second Year): **6.93**

TECHNICAL SKILLS

Interest Priorities for SDE Roles: Backend Engineering, System Design Fundamentals, API Development, Performance Optimization, Application Security

Secondary Interests (ML/AI): Machine Learning Fundamentals, Model Training, Classification & Prediction Problems, Data Preprocessing, Computer Vision Basics

Programming: Python, C++, Java, C

Web Technologies: Node.js, Express.js, React.js, AJAX, JWT Authentication

Core CS: Data Structures & Algorithms, Operating Systems, DBMS, OOP

Mathematics: Linear Algebra, Probability & Statistics, Calculus, Discrete Mathematics

Other: Problem-Solving, Code Optimization, Secure Development Practices

PROJECTS

Secure Authentication System: Implemented JWT and session-based authentication with Node.js, focusing on token lifecycle security, encryption, and protected routes.

Full-Stack Web Application: Built a production-ready MERN-style application with REST APIs, state management, and responsive UI design.

AI/ML Mini Projects: Developed classification and prediction models, worked with data preprocessing, evaluation metrics, and model improvement techniques.

KEY STRENGTHS

Strong DSA foundation

Analytical and solution-oriented mindset

Curiosity-driven learning (SDE + ML/AI)

Effective communication and teamwork