

# MANI SANKAR

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## SUMMARY

Driven by curiosity for efficient software delivery and resilient infrastructure, I refine cloud workflows and CI/CD pipelines with precision, eager to solve complex challenges and drive innovation within dynamic engineering teams.

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## SKILLS

- Programming Languages: Python, C
  - Web Development: HTML, CSS, Node.js, Express.js, React.js, Tailwind CSS
  - Cloud Platforms: AWS
  - DevOps Tools: Docker, Kubernetes, CI/CD(Jenkins, GitHub Actions), Grafana
  - Database Management: MySQL, MongoDB
  - Scripting & OS: Bash, Linux
  - Data Analysis: Power BI
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## PROJECTS

### Real-Time Chat Application

Built a real-time chat app with user authentication, public/private chat rooms, and live messaging. Integrated Socket.IO for real-time, bi-directional communication between clients and server. Designed responsive UI with MERN Stack.

### Predictive Diagnosis System

Built a Streamlit-based web app that predicts multiple diseases by symptoms and specifically (e.g., diabetes, heart, liver) using machine learning models like SVM, Logistic Regression, and XGBoost. Enabled real-time user input, symptom analysis, and disease probability output.

### Optimal XI Insights – Cricket Analysis System

Analyzed cricket data from ESPN Cricinfo to recommend optimal team lineups based on real-time player performance metrics. Visualized key stats like batting averages, bowling economy, and match scores using Power BI dashboards.

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## EDUCATION

### B.Tech in Artificial Intelligence and Machine Learning

Bannari Amman Institute Of Technology, Sathyamangalam.

Year of Completion: 2026

Secured CGPA: 7.3

### Vivekam Metric Higher Secondary School, Coimbatore

- SSLC: 85%
  - HSC: 84%
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## CERTIFICATION

- AWS Certified Cloud Practitioner
- HDEC Certificate – Tamil Nadu Computer Software College