

Praveen T

praveen890340@gmail.com | +91 70941 80341

linkedin.com/in/praveenthirumurthy | github.com/Praveen8760

Education

Sathyabama Institute of Science and Technology

June 2022 – May 2026

BE in Computer Science and Engineering

- GPA: 9.04/10.0
- **Coursework:** DBMS, Computer Network, Software Design Principles, Operating Systems

Experience

Project Intern, HCLTech – Remote

Jan 2024 – Oct 2024

- **Designed and developed robust backend systems** using **Node.js**, **Express.js**, and **MongoDB**, supporting scalable and high-performance web applications.
- **Built and integrated RESTful APIs**, enabling efficient data exchange and secure communication between client and server.
- **Implemented Razorpay payment gateway** on the server side to handle secure transactions, manage webhook events, and ensure compliance with payment standards.

Projects

Time Complexity Analysis Extension

April 2025

- Developed a **web-based tool** using **Node.js**, **Express**, and **Monaco Editor** to analyze **time complexity of user-uploaded code** in real-time.
- Created a **VS Code extension** enabling developers to assess algorithm performance with a **single click**, supporting **multiple languages** and generating annotated complexity insights.

Agriculture Crop Disease Prediction System

Oct 2024

- Built a **machine learning-powered platform** to detect crop diseases from images with **85%+ accuracy**, offering **real-time treatment suggestions**.
- Integrated an **AI chatbot** (Node.js + TensorFlow.js) providing **multilingual farming advice**, improving accessibility for **rural farmers across 3+ regions**.

Online Auction System

Jan 2024

- Developed a **real-time auction platform** using **Socket.IO**, **Node.js**, and **MongoDB**, enabling instant bidding and live item tracking for **50+ concurrent users**.
- Implemented **secure payment integration** with Razorpay, ensuring **100% transactional accuracy** and detailed bid logs with **timestamped histories**.

Technical Skills

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

FrontEnd: React.js, HTML, CSS, Tailwind CSS

BackEnd: Node.js, Express.js

DataBase: MySQL, PostgreSQL, MongoDB

Tools: Postman, Git, Figma, VS Code

Certificate

- Full Stack Web Development, Udemy
- Data Structures and Algorithms Using Python, IIT Madras
- SQL (Basic & Intermediate), HackerRank
- Programming in Java, IIT Madras