

# S. PRAVEEN KUMAR

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## Education

### Kalasalingam Academy of Research and Education

B.Tech in Computer Science & Engineering

2021 - 2025

8.97/10 CGPA

### Narayana Junior College

Higher Secondary Education

2019 - 2021

95.9 Percentage

### Kuppam Public School

High School Education

2018 - 2019

9.7/10 CGPA

## Work Experience

### IIT Delhi - AIA FSM

June 2023 - August 2023

Machine Learning Intern

Remote

- Developed a machine learning model for real-time network anomaly detection using the KDD Cup dataset.
- Implemented and benchmarked classification models: Random Forest (98% accuracy), Decision Tree (95%), and Naive Bayes (79%), with Random Forest as primary algorithm.
- Automated anomaly alert notifications via email alerts, providing detailed traffic analysis insights for prompt incident response and mitigation.

### Infosys Springboard

December 2024 - Feb 2025

Artificial Intelligence Intern

Remote

- Built a real-time competitive intelligence tool for e-commerce, leveraging ARIMA for price prediction and LLMs (Hugging Face, Groq) for sentiment analysis.
- Integrated Slack notifications for real-time competitor insights on pricing, discounts, and customer sentiment.

## Projects

### ClassSync

[Source Code](#)

- Designed and implemented an integrated classroom management system that streamlines assignment distribution, feedback, and progress tracking. Streamlined assignment distribution and progress tracking, boosting task completion rates by 30%.
- Enhanced teacher-student collaboration by 40% through intuitive document sharing and feedback tools.
- Reduced administrative overhead by 25% with automated project management functionalities.

### Smart Agriculture System

[Source Code](#)

- Developed an AI platform enhancing crop yield with optimal crop, fertilizer, and seed recommendations.
- Utilized ML (TensorFlow, Scikit-learn) to achieve 90%+ accuracy in crop disease detection and accurate yield predictions.
- Built with React.js, Flask, and Bootstrap 5; deployed on Vercel/Render, boosting agricultural efficiency by up to 30%.

### ChatMeet

[Source Code](#)

- A web-based real-time video and chat application enabling anonymous, random user connections. Built with React.js, Node.js, Express.js and utilizes WebRTC to support live video, audio, and text messaging. ChatMeet provides a smooth user experience with dynamic, no-credential connections.

## Technical Skills

**Languages:** Java (Data Structures and Algorithms), Python, JavaScript (Web Development)

**Backend:** Node.js, Express.js

**Frontend:** React.js, HTML, CSS, Tailwind CSS, Bootstrap

**Cloud & Databases:** AWS, MySQL, MongoDB

**Machine Learning:** Scikit-Learn, TensorFlow, NumPy, Pandas

**Developer Tools:** Postman, VS Code, GitHub

## Achievements

- Presented research at the International Conference on Industry 4.0 and Advanced Manufacturing (IISC Bangalore)