

# Shruthika T R

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## Objective

Motivated and detail-oriented B.Tech student in Artificial Intelligence and Data Science with strong foundational knowledge in full stack development and data analytics. Seeking an opportunity to apply my technical skills and problem-solving abilities in a dynamic organization, contribute to real-world projects, and grow as a professional in the IT industry

## Experience

- Softrate Technologies, Chennai** August 10, 2024 - September 9, 2024  
Data Analyst Intern
  - Increased data processing efficiency by 20% through large dataset analysis using Python.
  - Developed predictive models that improved diabetes risk prediction accuracy by 30%, supporting public health initiatives.
  - Designed a smart city analytics platform, optimizing urban planning and resource allocation by 25%.

## Education

- Syed Ammal engineering College** 2022-present  
Bachelor of Technology in Artificial Intelligence and Data Science  
8.95/10

## Skills

- Languages: Python, JavaScript
- Frontend: HTML5, CSS3, React.js, Tailwind CSS
- Backend: Flask, Django, REST API Integration
- Database: MySQL, MongoDB, SQLite
- Tools: Git, GitHub, VS Code, Postman, Netlify
- Concepts: OOP, Problem Solving, Debugging, Logical Thinking
- Soft Skills: Communication, Team Collaboration, Quick Learning, Predictive Analytics

## Projects

- Health Data Analytics for Predicting Diabetes Outbreaks**
  - Built predictive models using Python, Pandas, and Scikit-learn to identify high-risk patients, enhancing prediction accuracy by 30%.
  - Provided actionable insights to support targeted public health initiatives, reducing data processing time by 15%.
- Smart City Analytics: Enhancing Urban Planning and Infrastructure Development**
  - Developed a data-driven platform analyzing traffic, public transport, and environmental data, leading to a 25% improvement in resource allocation for urban planning.
  - Utilized GIS tools and data visualization to assist in infrastructure planning and decision-making.
- Responsive Web Portal for Nursing College**
  - Developed a 4-page responsive website (Home, About, Courses, Contact) using React.js with clean UI and smooth navigation.
  - Implemented reusable components and ensured mobile responsiveness for improved accessibility and performance.
- Lawmate – AI-Powered Legal Assistant**
  - Built a full-stack legal assistant app with AI chatbot, legal document templates, and success rate predictions.
  - Integrated secure login and dynamic lawyer recommendation based on user location and case type.

## Achievements & Awards

- 2nd Prize, Terra Nova Ideathon - Legal Education through Interactive Gaming, Kumaraguru College of Technology May 2024

## Interests

- Reading
- Community Involvement

## Languages

- Tamil - Native
- English - Proficient
- Hindi - Read and Write
- Sourashtra - Mother Tongue

## Certifications

- NPTEL Certification - Blockchain and Its Applications April 2024
- HTML fundamentals - Infosys Springboard December 7, 2022
- 4-Day UI/UX Design Bootcamp - Btree Systems April 1, 2024