

# Ayush Goswami

Software Engineer | Full-Stack  
Development | Machine Learning &  
AI Enthusiast

## CONTACT

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GitHub: [Github Link](#)  
Portfolio: [Portfolio Link](#)

## EDUCATION

### VELLORE INSTITUTE OF TECHNOLOGY

B. Tech Computer Science  
Engineering  
Completion: 2026  
CGPA: 8.1

### Navyug Convent School

12th Grade (2022)  
Overall: 83%

### Amity International School

10th Grade (2020)  
Overall: 90%



## CERTIFICATES

**Advanced Software Engineering Job Simulation** by Walmart  
GlobalTech on forage  
**Software Engineering Job Simulation** by Electronic Arts on  
forage  
**Career Essentials in Generative AI** by microsoft on  
linkedin  
**Artificial Intelligence Job Simulation** by Forage on forage  
**Responsive Web Design** by Freecodecamp  
**Database management system** by scalar  
**Generative AI Fundamentals** by Google Cloud skill boost

## SKILLS

C | C++ | Python | Java | R | HTML | React | Node.js | Flask  
| Flask-CORS | OpenCV | Arduino | AWS | SQL | Figma |  
MySQL | PostgreSQL | SQLAlchemy | SpaCy | ML | DL | NLP |  
Model Management (Joblib) | Prompt Engineering | RESTful  
APIs | Agile | Git | Real-time Data Analysis | Data  
Visualization | Vercel | Netlify | Forecasting & Modeling |  
Predictive Modeling | Competitive & Industry Analysis | Risk  
Assessment & Management | Project Management |  
Stakeholder Management | Time Management | Critical  
Thinking | Negotiation | Problem-Solving | Communication |  
Collaboration

## INTERSHIPS

### Web Developer Intern | Pooja Fasteners (Jan 2025 – Mar 2025)

- Designed and developed a responsive single-page website for Pooja Fasteners, enhancing the company's online presence.
- Implemented modern UI/UX principles using HTML, CSS, JavaScript, and React for an intuitive and user-friendly interface.
- Optimized website performance and responsiveness across devices, ensuring a seamless user experience.
- Implemented comprehensive SEO best practices to optimize content structure, which led to an impressive rise of over 1,000 monthly visits from search engines and enhanced overall user engagement across the platform.
- Collaborated with stakeholders to gather requirements and refine website functionalities.

## PROJECTS

### Ethical Assistant System

- [Project link](#)
- Developed an AI-powered web app guiding users through ethical decisions using Utilitarianism, Deontology, and Rights-Based frameworks. Engineered a robust backend for an ethical assistant chatbot using Flask, enabling seamless user interactions and achieving a response time reduction of 30% on complex queries.
- Achieved 90% user satisfaction in testing, based on feedback regarding decision clarity and usefulness.
- Deployed on Netlify with a responsive, modern UI, achieving a 95% uptime since deployment.

### Portfolio Website

- [Portfolio Link](#)
- Designed and launched a responsive portfolio website showcasing skills, projects, and certifications in a clean, modern design.
- Integrated React, TypeScript, and TailwindCSS for a responsive, user-friendly UI that adapts across devices.
- Utilized Vite for fast development and deployment, ensuring quick load times and smooth user experience.
- The portfolio includes detailed project descriptions, links to GitHub repositories, and an integrated contact form, improving personal brand visibility and networking opportunities.

### Air Quality Monitoring and Room Safety Prediction

- Improved a machine learning model to predict room safety based on air quality and health data.
- Trained a Random Forest model with 92% accuracy for classifying rooms as safe or unsafe based on AQI levels.
- Implemented AQI categorization and feature encoding, improving environmental and health assessments by 30%.
- The system reduced room safety assessment time by 50% compared to traditional methods.
- Created a system that promotes health awareness and enhances safety in indoor environments, benefiting 100+ users.