

# Ananya Singh

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## Profile

Software Developer focused on building clean, scalable, and reliable backend services. I apply Domain-Driven Design (DDD) principles and strong testing practices to ensure quality, and have experience delivering secure features and improving system performance in both enterprise and fast-paced environments.

## Experience

### Trainee Software Engineer

*ICICI Lombard General Insurance Ltd*

*Mumbai, India*

*Aug 2025 - Present*

- Ensured high code **reusability and maintainability** through modular design and adherence to clean architecture principles.
- Delivered **zero critical bugs in production** by implementing robust testing, peer reviews, and continuous integration practices.
- Maintained **85%+ code coverage** through comprehensive unit and integration testing for reliable backend performance.
- Built **high-performance, scalable, and secure backend systems**, delivering features and fixes efficiently while complying with enterprise standards.

### Software Engineer — Apprenticeship

*Just Urbane Magazine*

*Pune, India*

*Apr 2024 - May 2025*

- Built web applications using **Python, Flask, HTML, CSS, and JavaScript** to improve content management and user experience.
- Integrated **FastAPI** and improved backend modules for better performance and easier maintenance.
- Used scalable architecture and modular **APIs** to help make deployments smoother.

### Web Developer Intern

*BS Group*

*Pune, India*

*Mar 2023 - Sept 2023*

- Built responsive websites using **HTML, CSS, JavaScript, ReactJS, and NodeJS** to improve the user experience across multiple client platforms.
- Delivered **full-stack** solutions that improved load speed, ensured smooth browser performance, and supported the team in meeting deadlines and boosting client satisfaction.

## Education

### Bharati Vidyapeeth College of Engineering, Pune

*Nov 2021 - Jun 2025*

*B.Tech in Computer Engineering*

- GPA: 3.72/4.0

## Technologies

**Languages:** C#, Python, JavaScript

**Backend:** .NET 8, ASP.NET Web API, MCP Server Development, Flask, NodeJS

**Frontend:** ReactJS, AngularJS, HTML, CSS, Bootstrap

**Architectural Design:** Domain-Driven Design (DDD), API(Postman, Swagger)

**Databases:** SQL Server, PostgreSQL, MySQL

**AI/ML & Data Tools:** TensorFlow, OpenCV, LLMs(LLaMA)

**Cloud & Infrastructure:** AWS, Docker, CI/CD Pipelines

**Development Practices:** Git, JIRA, Agile Methodologies

**Soft Skills:** Collaboration, Communication, Problem-Solving (DSA – 100+ LeetCode Problems Solved)

## Projects

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### LLM-based AI Financial Advisor [\[Link\]](#)

- Built a multi-functional web app using **Gemini 2.0, Flask, and Random Forest** Classifier for financial predictions.
- Developed modules for loan approval prediction, AI-driven business ideation, and context-aware financial advisory.
- Designed a responsive UI with **HTML/CSS/Bootstrap; integrated AJAX.js for dynamic UX**.
- Deployed the application on **Render**, ensuring high availability and cloud scalability.
- **Tools:** Gemini 2.0, Flask, Pandas, NumPy, Random Forest, AJAX.js, Render

### Careline - Genzeon

- Created a medical data processing platform that transforms **XML input into usable dashboards for doctors**.
- Developed **CRUD** functionality to manage patient records securely.
- Built an admin portal for user management and automated credential resets for inactive accounts.
- **Tools:** ReactJS, Flask, PostgreSQL, Azure

### Urbane shows [\[Link\]](#)

- Developed data-driven web apps using **Python Flask (backend) and HTML/CSS/JS (frontend)**.
- Integrated **FastAPI** and optimized full-stack performance through modular API services.
- Applied best practices in scalable software architecture and deployment automation.
- **Tools:** Flask, FastAPI

### BS GROUP [\[Link\]](#)

- Engineered full-stack web solutions from concept to deployment using **HTML, CSS, JavaScript, NodeJS, and ReactJS**.
- Collaborated in an agile team to build user-centric applications with intuitive, responsive interfaces.
- **Tools:** ReactJS, NodeJS

## Awards and Certificates

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NPTEL SWAYAM – ”The Joy of Computing Using Python” – Completed: July 2023 [\[Certificate\]](#)

Udemy – ”The AI Engineer Course 2025: Complete AI Engineer Bootcamp” – Completed: Apr 2025 [\[Certificate\]](#)