

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

B.Tech in Computer Engineering

Nov 2021 - Jun 2025

- 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

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

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 [\[Certificate\]](#)