

Ananya Singh

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Profile

Backend Developer with hands-on experience in .NET (C#), API integrations, and Domain-Driven Design (DDD). Skilled in architecting and implementing scalable business logic for enterprise-grade systems. Experienced in developing API-driven backend modules, ensuring high reliability, performance, and rapid delivery in fast-paced environments.

Experience

Software Engineer

ICICI Lombard General Insurance Ltd

Mumbai, India

Aug 2025 - Present

- Improved API performance by **35%** via caching(Redis) and asynchronous programming.
- Built **C#/.NET** microservices ensuring high throughput and low latency.
- Automated deployments using Jenkins pipelines, reducing release cycles from **7 to 1** day.
- Integrated internal and third-party APIs, streamlining **policy issuance and claims**.
- Delivered scalable, compliant modules supporting evolving business needs.

Software Engineer

Just Urbane Magazine

Pune, India

Apr 2024 - May 2025

- Developed dynamic web applications using **Flask and Python**, improving internal workflows by 30%.
- Created automated tools based on **API integrations** and user feedback, reducing manual tasks by 40%.
- Coordinated with cross-functional teams to deliver scalable systems, boosting project delivery efficiency by 25%.

Web Developer Intern

BS Group

Pune, India

Mar 2023 - Sept 2023

- Delivered responsive websites using **HTML, CSS, JavaScript, ReactJS, and NodeJS**, enhancing UX across 4+ client platforms.
- Deployed full-stack solutions that improved load speed by 20% and ensured cross-browser compatibility.
- Collaborated in an agile team to meet project deadlines, contributing to a 15% increase in 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

Frontend: ReactJS, Angular, HTML, CSS, Bootstrap

Architectural Design: Domain-Driven Design (DDD), Microservices, API Design & Documentation (Postman, Swagger), Clean Architecture

Databases: SQL Server, PostgreSQL, MySQL, Entity Framework Core, Presto Framework

AI/ML & Data Tools: TensorFlow, OpenCV, LLMs (Hugging Face, LangChain)

Cloud & Infrastructure: AWS, Docker, Kubernetes, CI/CD Pipelines, Redis

Integration & Reliability: Anomaly Detection, Authentication, Scalability, Reliability Engineering

Development Practices: Clean Code, SOLID Principles, Agile & Scrum Methodologies

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

Projects

LLM-based AI Financial Advisor [[GitHub](#): [InvestIQ](#)]

- 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, Python, Pandas, NumPy, Random Forest, Seaborn, Matplotlib, HTML, CSS, Bootstrap, 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/MSSQL, XML Parsing, Azure

Urbane shows [[Live Site](#): <https://www.urbaneshows.com/>]

- 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, HTML, CSS, JavaScript

BS GROUP [[Live Site](#): <https://bscompany.co.in/>]

- 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, RESTful APIs

Awards and Certificates

Udemy – "The Complete Python Bootcamp From Zero to Hero in Python" – Completed: Dec 2022 [[Certificate](#)]

Udemy – "Beginning C++ Programming From Beginner to Beyond" – Completed: Jan 2023 [[Certificate](#)]

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

Udemy – "The Complete 2023 Web Development Bootcamp" – Completed: Oct 2023 [[Certificate](#)]

Coursera – "Introduction to Git and GitHub" – Completed: Apr 2024 [[Certificate](#)]

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