

SOUBHAGYA GHOSHAL

Software Engineer

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Bengaluru, India

in soubhagyaghoshal

SoubhagyaGhoshal

PROJECTS

Generate Learning Roadmaps with AI

TypeScript, LLM APIs

- Architected an AI-powered web application that generates personalized learning roadmaps based on user input, streamlining the educational planning process.
- Integrated Large Language Models (LLMs) to dynamically synthesize structured curriculum pathways and recommend targeted resources.

ResumeBuilder

TypeScript, React

- Engineered a dynamic resume-building platform allowing users to seamlessly generate professional CVs and accelerate their job application process.
- Designed an interactive user interface utilizing TypeScript to ensure strict type safety and scalable state management.

100xjobs

Python, Web Scraping

- Programmed a Python web scraper aggregating 500+ daily job listings from 10+ sources, cutting manual job-search time by 60%.
- Deployed robust backend processing using a scheduled CI/CD pipeline on GitHub Actions to maintain real-time data extraction and up-to-date listings.

Weatherly

JavaScript, REST API

- Formulated a responsive weather forecasting application providing real-time meteorological data and interactive visualizations.
- Integrated third-party RESTful APIs to fetch accurate location-based weather metrics, delivering a clean and intuitive user-friendly UI.

Hospital-Management-System

JavaScript, Full Stack

- Constructed a comprehensive management system to streamline hospital administration, patient records, and daily scheduling.
- Designed robust database schemas and backend architectures to support seamless, secure data flow across the healthcare platform.

EDUCATION

Bachelor of Technology, Computer Science and Engineering

Narula Institute of Technology

Aug 2021 – Jun 2025

TECHNICAL SKILLS

Programming Languages

Python, TypeScript, JavaScript, C++, Java, C

Frameworks & Libraries

React, Next.js, Node.js, Express.js, Tailwind CSS, Django, REST APIs, GraphQL, HTML5, CSS3

Databases

MongoDB, PostgreSQL, MySQL, Redis

Tools & Technologies

AWS, Git, Docker, CI/CD, Linux, LLM APIs, Microservices, Web Scraping, Vercel, Jest, Pytest

Core Competencies

Data Structures, Algorithms, Full Stack Development, System Design, State Management, Unit Testing, Agile Methodologies

SOFT SKILLS

Leadership, Ability to Work Under Pressure, Decision Making, Time Management, Adaptability, Teamwork, Creativity

PROFESSIONAL EXPERIENCE

Software Developer Intern

Labmentix

Aug 2025 – Feb 2026 Bengaluru, India

- Engineered a full-stack job portal featuring secure authentication and advanced search capabilities, successfully serving over 100 active users.
- Implemented 10+ responsive UI components using React and Tailwind CSS, enhancing mobile usability and decreasing page load time by 30%.
- Integrated 5+ RESTful APIs and collaborated effectively with a 4-person development team within an Agile framework.