Aniket Gupta

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ABOUT

Final-year Software Engineering student specializing in advanced Data Structures & Algorithms and Java development. Experienced in designing efficient backend systems with Spring Boot and RESTful APIs, and applying algorithmic problem-solving in real-world projects. Also familiar with frontend technologies like React.js and Redux. Keen on optimizing performance and building scalable, high-quality software solutions.

EDUCATION

Chandigarh University, Mohali, Punjab (CGPA: 7.17, 2022 - Present)

T.S.S.M. Sen. Sec. Public School (XII), Ludhiana, Punjab (87%, 2020 - 2022)

A.V.M Public High School (X), Ludhiana, Punjab (79%, 2019 - 2020)

TECHNICAL SKILLS

Languages: C++, Java, JavaScript

Web Technologies: HTML, CSS, React.js, Spring Boot, RESTful APIs

Databases: MySQL, MongoDB (NoSQL), PostgreSQL

Tools & Platforms: Git & GitHub, IntelliJ IDEA, VS Code, SQL Workbench, Postman, Docker, Maven, npm

Cloud & DevOps: AWS (EC2, S3), Docker, Kubernetes, CI/CD pipelines

Other Technologies: Data Structures & Algorithms (DSA), Redux, Axios, Keycloak (OAuth2), RabbitMQ

SOFT SKILLS

Leadership & Teamwork: Led a hackathon team to develop a full-stack AI chatbot.

Critical Thinking & Problem Solving: Debugged complex C++ and Java applications efficiently.

Time Management & Adaptability: Delivered projects within deadlines in a fast-paced environment.

ACADEMIC PROJECTS

FitTrack Pro (Java, Spring Boot, React, 2025)
Developed a full-stack **Fitness Tracking Web Application** using **Java Spring Boot** for backend and **React.js with Redux** for frontend state management. Integrated **Keycloak** for secure authentication and authorization, **RabbitMQ** for asynchronous communication between services, and implemented RESTful **POST APIs** for activity tracking and progress analytics.

Metro Route Finder (C++, STL, 2024)
Developed a metro navigation system in **C++** using **Object-Oriented Programming** and **STL** to determine the shortest route between stations via **Dijkstra's Algorithm**. Implemented **graph data structures**, **file handling**, and a **menu-driven CLI** for user-friendly route queries. Improved computation speed and memory efficiency through optimized algorithm design.

Portfolio Website (React, Bootstrap, HTML, CSS, JavaScript, 2023)
Built a responsive personal portfolio using **React** and **Bootstrap** to showcase projects and skills. Implemented reusable components, interactive UI elements, and CSS animations for better user experience. Deployed the project using **Git & GitHub Pages**.

CERTIFICATIONS

AWS Cloud Practitioner Essentials *(AWS Academy)*

Multi-Core Computer Architecture *(Coursera)*

Introduction to Databases *(Udemy)*

Programming for Data Science *(Meta)*

EXTRACURRICULAR ACTIVITIES

Volunteering in CU-FEST | Participate in Hackathon | Participate in coding competition