SAMEER GUPTA

| 2K22/SE/152 | +919142098808 | sameerguptaa09@gmail.com | LinkedIn |

EDUCATION

COURSE	YEAR	INSTITUTE	SCORE
B. Tech in Software Engineering	2022–2026	Delhi Technological University, New Delhi	7.92 CGPA
CBSE (Class XII)	2021–2022	Holy Mission Sec. School, Patna, Bihar	91.62%
CBSE (Class X)	2019–2020	D.A.V. Public School, Patna, Bihar	91.33%

WORK EXPERIENCES

Web Developer Intern, InternPe| *(Remote)*   **July 2025 – Present**
- Fortified backend infrastructure via Node.js and Express.js, refining RESTful APIs to accelerate application feature deployment and bolster overall system responsiveness, resulting in improved user experience.
- Configured MongoDB indexing strategies, decreasing average query response time by 10% and enabling seamless data retrieval for over 10,000 users on the platform.

ACADEMIC PROJECTS

Skillzora- E-Learning Platform| *Reach.js, Node.js, Express.js, MongoDB*
- Engineered an interactive e-learning platform utilizing the MERN stack and, resulting in a 35% increase in user engagement through intuitive UI design and personalized learning paths.
- Spearheaded Implemented secure JWT Authentication and Role-based Access Control, protecting user data and mitigating unauthorized access attempts, leading to a 60% enhanced security.
- Built responsive instructor dashboards for real-time analytics, data visualization, and revenue tracking, improving instructor retention by 40%.

Breast Cancer Prediction| *Python, Sckitlearn, Machine Learning*
- Developed predictive models using Machine Learning algorithms (SVM, KNN, Random Forest, Decision Trees), achieving 98% accuracy on clinical datasets.
- Created an interactive Gradio web application providing real-time predictions, demonstrating a complete ML lifecycle from preprocessing to deployment.
- Conducted rigorous data preprocessing, feature engineering, and model validation using metrics (F1-score, precision, recall, ROC-AUC).

Flight Booking Backend| *Node.js, Express.js, MySQL, RabbitMQ, Restful APIs*
- Architected and implemented a Express API Gateway to route requests across Auth, Booking, Flight Search, and Reminder microservices with RabbitMQ for reliable inter-service communication.
- Designed and optimized RESTful APIs backed by MySQL, enabling 500+ concurrent flight search and booking requests with secure authentication and input validation.
- Deployed microservices on AWS EC2 using PM2 process manager and environment-based configs for high availability and horizontal scalability.

ACADEMIC ACHIEVEMENTS AND AWARDS

- Achieved 98.3 percentile which is among the top 0.5% in JEE Main among 1.2 million candidates.
- Solved 450+ **Leetcode** questions, with 300+ medium-level problems showcasing advanced problem-solving skills.
- **Google Cloud Certified in Generative AI (Coursera)** – Validated expertise in generative model architectures, prompt engineering, and end-to-end AI solution deployment on Google Cloud Platform.
- **NPTEL Certified in Python (IIT Madras)** – Achieved an elite + gold score, demonstrating mastery of Python fundamentals, data structures, control flow, and algorithmic problem-solving.

POSITIONS OF RESPONSIBILITY

Chief Fest Coordinator, Technical Council, DTU   **July 2024–Present**
- Directed the planning and execution of Invictus, DTU's flagship technical festival, coordinating 50+ volunteers and managing technical operations, budgeting, and stakeholder engagement to deliver a multi-day event attended by 10,000+ participants.

TECHNICAL SKILLS

Programming Language	C++, JavaScript, Python
Web Development	React.js, Node.js, Express.js, React Redux, RESTful APIs
Databases & Cloud	SQL, MongoDB, AWS (EC2)
Tools & Version Control	Git, GitHub, Postman, VS code
Coursework	Object Oriented Programming (OOPs), Database Management System, Operating System, Machine Learning, Natural Language Processing, Software Engineering, Computer Network