

SOMYA BAJPAI

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Somyabajpai

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EDUCATION

Lovely Professional University

B.Tech Computer Science and Engineering - **CGPA - 7.10**

2021 - 2025

Phagwara, India

Gurukul Academy

Higher Secondary Education - **Percentage - 91.75%**

2020 - 2021

Lucknow, India

Gurukul Academy

Secondary Education - **Percentage - 95.8%**

2018 - 2019

Lucknow, India

COURSEWORK

- Data Structures
- Computer Network
- DBMS
- Web Development
- Algorithms
- Operating Systems
- OOPS Concept
- Cloud Computing

PROJECTS

Suraksha Setu | HTML, CSS, JavaScript, MongoDB, React, Firebase

2023

- Coordinated large-scale disaster relief operations, **enhancing aid distribution efficiency by 50%** and successfully reaching over **500,000 affected individuals** within a 24-hour timeframe.
- Strategically planned and rapidly deployed resources to provide critical support **during emergencies**.
- Established a resilient global support network, expanding connections to 50+ countries, facilitating recovery and reducing **response times by 40%**.

Pixel Forge-AI | MongoDB, React, Firebase

2024

- Developed innovative AI-driven systems, integrating ML techniques to achieve a **40% reduction** in inefficiencies and a **25% boost in productivity**.
- Created intelligent automation and personalized AI interactions, **improving satisfaction ratings by 30%** and **reducing query resolution time by 35%**.
- Used advanced analytics for actionable insights, **increasing ROI by 20%** and supporting smarter decisions.
- Implemented predictive algorithms and NLP, **boosting automation accuracy by 50%** and **cutting manual effort by 45%**.

AttendifyAI | OpenCV, Python, PostgreSQL, Deep Learning

2025

- Built a **real-time facial recognition-based attendance system** using OpenCV, Python, PostgreSQL, and deep learning, deployed on cloud; **automated attendance for 100+ students across 10+ courses**.
- Implemented a **45-minute minimum presence rule** using facial recognition and webcam integration, **enhancing attendance accuracy by 95%** and **eliminating proxies**.
- Developed a unique session-code **verification system used by 100% of students** to join classes securely after facial authentication, ensuring session integrity.
- **Integrated 5+ interactive analytics charts** per course to visualize attendance trends, class strength, and **engagement across 50+ sessions**.

TECHNICAL SKILLS

Languages: C++, Python, JavaScript, SQL

Developer Tools: VS Code, Ms Excel, Adobe Photoshop, Canva, Atom

Technologies/Frameworks: Git, GitHub, AWS, Azure, ReactJS, NodeJS, ExpressJS, MongoDB, MySQL, Docker and Kubernetes

CERTIFICATIONS

- Amazon: AWS Certification
- Google: Java Microservices with Spring Boot Certification
- IBM: Containers w/ Docker, Kubernetes, OpenShift
- IBM: Application Development using Microservices and Serverless

EXTRACURRICULAR

- **Runner up in Smart India Hackathon** organized by Innovation hub.
- **Content Writing Head**, Coding Ninjas Club.
- **Top 100 Albert Barrow All India Creative Writing Competition (CISCE)**.
- **Co-Lead at GDSC**.