Priyanka Srivastava

Bachelor of Technology
Computer Science and Engineering
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EDUCATION

- **Bachelor of Technology - Computer Science and Engineering** — *2022-26*
Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh — CGPA: 7.7

- **Intermediate (Class 12) - PCM** — *2022*
Dr. Brij Kishori Dubey Memorial School, Kanpur — Percentage: 88.83%

- **High School (Class 10)** — *2020*
Dr. Brij Kishori Dubey Memorial School, Kanpur — Percentage: 96.6%

PROJECTS

- **Dynamic Traffic Light Management System using RL and SUMO**

Dynamic Traffic Light Management System (DTLMS) to optimize traffic signals.

  – Designed and deployed a reinforcement learning–driven backend to dynamically adjust traffic signal timings, achieving **25%** congestion reduction and **18%** travel time improvement in simulations.
  – Implemented a modular, microservices-ready architecture supporting scalability and real-time decision-making.
  – Exposed RESTful APIs for simulation data exchange; optimized throughput and latency.
  – Key Skills: Python, REST APIs, SUMO, PyTorch, Matplotlib, Algorithm Design

- **Face Roll-Call Attendance System**

A real-time attendance system

  – Developed a web-enabled facial recognition attendance tracker with **95% accuracy** using Python and OpenCV, integrated with a relational database backend.
  – Designed RESTful endpoints and automated testing workflows for reliability.
  – Enhanced operational efficiency by **40%** compared to manual processes.
  – Key Skills: Python, OpenCV, SQLite, HTML/CSS, API Development, Automation Testing

- **Parea Classroom**

Online classroom site for teachers and students

  – Developed a scalable e-learning platform integrating classroom management, real-time chat, and video conferencing features.
  – Implemented frontend in **ReactJS**/**NextJS** and backend in NodeJS with RESTful API integration.
  – Collaborated with a 4-member team using Agile methodology and Git version control to deliver features ahead of schedule.
  – Key Skills: ReactJS, NextJS, NodeJS, TypeScript, HTML/CSS, API Integration, Agile Practices

EXPERIENCE

- **Infosys Springboard** Internship 5.0 — *Feb - Mar 2024*
  – Built an AI-powered platform leveraging LLMs (Meta LLaMA) to interpret guest input, monitor sentiment patterns, and generate customized suggestions. Implemented real-time notifications for staff to improve guest experience and service efficiency.

TECHNICAL SKILLS AND INTERESTS

Languages: Python, C++, Java, JavaScript, HTML+CSS
Libraries & Frameworks: ReactJS, ReactNative, Node.js, Express
Cloud/Databases: MySQL, MongoDB, AWS
Relevant Coursework: DBMS, Computer Networks
Interests: Cybersecurity, AI/ML, Web Development, System Design
Soft Skills: Time Management, Cooperative, Industrious, Enthusiastic

ACHIEVEMENTS

- Cloud Team Lead, Reseach and Development. PSIT Kanpur

- HackerRank: 5 star in Problem Solving and C++

- LeetCode: Solved 500+ problems across Arrays, DP, Trees, and Graphs

KEY COURSE TAKEN

- **AWS Cloud:** Udemy Ultimate AWS Certified Solution Architect Associate SAA-CO3

- **Full Stack Development:** Complete Web Development + DevOps + Blockchain Cohort By Harkirat Singh