

Akshit Gupta

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EDUCATION

University Institute of Engineering And Technology, Panjab University

Chandigarh, India

Bachelor of Engineering in Information Technology

2021 – 2025

- CGPA: 8.96

ASM Modern Academy

Amroha, India

Senior Secondary Education (12th)

2019 – 2020

- Percentage: 92.2

WORK EXPERIENCE

VVDN

Gurugram, India

Software Engineer Intern

June 2024 – July 2024

- Managed the setup, configuration, and optimization of LPRU & MPRU systems, significantly enhancing operational efficiency.
- Handled image flashing and JTAG procedures for booting, ensuring optimal performance and durability of radio units.

Infowiz

Chandigarh, India

Summer Intern

June 2023 – July 2023

- Project:Early Mortality Risk Prediction using MIMIC-III Dataset
- Processed and optimized MIMIC-III dataset features using PostgreSQL, isolating 20% key predictors through multivariate analysis for the 'Early Mortality Risk Prediction' project.
- Developed and refined an ANN model, achieving 86% accuracy and a 0.88 ROC AUC score, demonstrating strong predictive capabilities.

PROJECTS

WorkLoom | MERN

- Implemented a MERN stack-based job portal, integrating a login and signup system using JWT authentication and bcrypt for enhanced security.
- Streamlined user engagement by automating job notifications via email using NodeMailer.
- Built a scalable backend to support efficient job postings and application processes.

Bid Bash | HTML, CSS, JavaScript

- Implemented a dynamic auction simulator using HTML, CSS, and JavaScript, enabling interactive and real-time bidding experiences.
- Enhanced visual appeal and user interaction through sophisticated CSS animations and JavaScript-driven real-time content updates.
- Refined 'Bid Bash' UI for smooth navigation and responsiveness, enhancing user engagement.

Fedarated learning via GRPC

- Architected and executed a distributed machine learning framework using gRPC and Protocol Buffers, enhancing communication efficiency and reliability through custom socket programming.
- Conducted extensive testing to validate the performance and reliability of the federated learning system.
- Ensured secure, seamless data exchange between devices, maintaining privacy and data integrity across the system.

TECHNICAL SKILLS

Languages: C++, HTML/CSS, JavaScript

Frameworks & Tools : Node.js, React, Next.js, Git, Postman, Docker

APIs & Databases:Apache Kafka, REST, WebSocket, SQL, MongoDB