

# Anshika Gupta

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## EDUCATION

### Guru Nanak Dev University, Amritsar

Bachelor of Technology-Electronics and Communications Engineering | **CGPA: 8.0/10**

June 2019–June 2023

### Indian Institute of Technology, Patna

Executive Master's of Technology-Artificial Intelligence and Data Science Engineering | **CGPA: 9.65/10**

Nov 2024 - Nov 2026

## WORK EXPERIENCE

### Emeritus India

Mumbai, IN

#### Academic Grader - SDE

Nov 2024 - Nov 2025

- Designed and implemented **academic workflow** automation tools, streamlining course delivery and reducing manual intervention by 40%, thereby enhancing learning experience and operational efficiency.
- Collaborated with cross-functional teams to develop scalable full-stack solutions for **course scheduling, progress tracking, and faculty-student** engagement using **React.js, Node.js, and MongoDB**.
- Built robust **data visualisation** dashboards to monitor learner performance and engagement metrics, enabling academic teams to make data-driven interventions and improve course outcomes.
- Skills:** MongoDB, Jenkins, Redux.js, Express.js, JavaScript, Node.js, REST APIs, DevOps, React.js, Google Kubernetes Engine (GKE), Full Stack Development, Technical Mentorship.

### UpGrad Campus

Jalandhar, IN

#### Technical Mentor

Jan 2024 - Jul 2024

- Provided mentorship to students in **Data Structures, Algorithms, and Full Stack Web Development**, helping bridge theoretical knowledge with practical applications.
- Guided students in applying complex algorithms to **real-time industry projects**, preparing them for real-world development environments.
- Delivered tailored learning paths, ensuring students grasp core programming principles in **C++, Java, and C**.
- Cultivated strong foundations in **Object-Oriented Programming (OOP)** and problem-solving, empowering future developers to excel in software development roles.
- Skills:** Java · Algorithms · Object-Oriented Programming (OOP) · C (Programming Language) · React.js · Angular · Node.js · Express · SQL · PostgreSQL · MongoDB · Full Stack Web Development.

### Devtown

Bangalore, IN

#### SDE-2

June 2022–Dec 2023

- Developed and optimised web features using a full-stack technology stack, including React, Node.js, Express, MongoDB, and MySQL, to deliver responsive interfaces and efficient backend solutions. Integrated APIs for seamless component communication and enhanced user experience.
- Oversaw full development lifecycle from planning to deployment, utilising Git/GitHub for streamlined version control. Optimised server-client interactions with RESTful APIs and JSON, ensuring dynamic, responsive website performance.
- Designed responsive, adaptable interfaces for various devices using best practices, leveraging Bootstrap and Tailwind CSS to optimize styling, load times, and overall usability for Devtown's broad audience.
- Skills:** MongoDB, Jenkins, Redux.js, Express.js, JavaScript, Node.js, REST APIs, DevOps, React.js, Google Kubernetes Engine (GKE), Full Stack Development, Technical Mentorship.

### Mykare Healthcare

Kerala, IN

#### SDE-1

Feb 2022–Nov 2022

- Developed the Mykare Healthcare website, transforming designs and wireframes into a fully responsive user interface using React.js (**URL: <https://mykarehealth.com>**)
- Implemented reusable components for consistent **UI/UX** across the platform.
- Integrated **Back-End APIs** to fetch and display dynamic data using Redux, custom components, and library components.
- Developed a comprehensive **360° Holistic Healthcare Package** page, allowing users to explore various healthcare options with different package holders.
- Designed and built the **Specialised Surgical Procedure** section, enabling users to browse various operations and seamlessly book services online.
- Skills:** React.js, Redux, JavaScript, API Integration, Front-End Development, UI/UX Design, and Healthcare Industry Solutions.

### Unbiased

Hyderabad, IN

#### Full Stack Developer

Aug 2021–Jan 2022

- Led a team of seven in developing and deploying an **automated student-mentor** connection system, increasing user engagement and reducing system downtime by 40%.
- Collaborated with Unbiased to address transparency, bias, and **data quality** issues in AI & ML, contributing to the development of the Unbiased Data Marketplace, enabling advancements in data annotation, collaboration, and innovation.
- Skills:** Leadership & Team Management, AI & ML: Transparency, Bias, Data Quality, Automation & System Optimisation, Data Annotation & Marketplace Development, Innovation & Collaboration.

**Programming Languages:** Proficient in C, C++, Python, JavaScript, Go, Java, R, SQL, PHP, HTML5, CSS3, TypeScript, and jQuery.

**Frameworks:** Experienced with Vue.js, React.js, Angular.js, Node.js, Express.js, Flask, Django, Ionic, as well as REST and GraphQL APIs.

**Tools:** killed in version control systems (Git & GitHub), databases (MySQL, MongoDB, Redis, PostgreSQL, Firebase), containerisation (Docker), project management (JIRA), and orchestration (Kubernetes, Kama, LDAP).

**Platforms:** Adept in cloud services (AWS, GCP, Azure), operating systems (Linux, UNIX), virtualisation (VirtualBox), data processing (Apache Pig, Hadoop), and development environments (Visual Studio). Knowledgeable in prompt engineering for enhanced AI model interactions.

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## ACADEMIC PROJECTS

### CarRent: Available for Quick Go Rides

- Designed for easy navigation, allowing users to quickly search and book cars with a few clicks. It Offers real-time availability of vehicles with instant booking confirmation, ensuring a hassle-free experience.
- It Provides diverse categories, including economy, luxury, SUVs, and electric vehicles to meet various customer needs. Also Displays clear pricing structures with no hidden fees, allowing customers to understand the total cost before booking. It also Offers a variety of rental durations, from hourly to long-term rentals, catering to different customer requirements.
- Implements secure payment gateways to ensure the safety of customer transactions. It Allows users to create personalised profiles to save preferences, past bookings, and payment methods for future convenience. It Provides real-time GPS tracking of rented vehicles and 24/7 customer support for assistance during the rental period.

### CamRadar: Siamese Network-based system for face identification

- Built a real-time CCTV plug-in for face recognition alerts and developed a centralised portal for live tracking & data analysis
- Boosted model accuracy by 35% through integration of one-shot learning with FaceNet and advanced computer vision algorithms.
- Designed a low-cost distributed storage system utilising MySQL to manage extensive databases of 15,000+ images, while analysing and interpreting facial data

### PalliCare: A disruptive and novel solution for Palliative Care [React JS, MongoDB, Node JS, OpenCV, WebRTC]

- Devised a progressive web application to revolutionise mental health lifestyle of patients seeking Palliative Care
- Created an innovative suite of features, encompassing face detection-based sentiment analysis, a subscription-based medicine delivery system, customisable music in 6+ national languages, and video calling utilising natural language processing

### Virtual Labs: A project for Centre for Development of Advanced Computing (CDAC), India

- Pioneered and deployed an immersive virtual science practical simulator, integrating React JS, Flare JS, and Rive animations
- Currently hosted on "OLabs" website, serving over 2 million high school students across India.

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## LEADERSHIP EXPERIENCE

- **Award-Winning Paper Writer:** Secured second position in an online paper writing competition on "Impact of COVID-19 outbreak on domestic violence in India: Challenges and Solutions," organised by Gandhi Memorial National College, Ambala Cantt. Recognised for exceptional writing and analytical skills, demonstrating a commitment to addressing critical social issues.
- **Strategic Project Management:** Orchestrated a comprehensive website revamp for the Computer Society of India, leading to a streamlined process for feature additions and a significant reduction in outage time by over 70%. Showcased strong organisational and project management skills to enhance the user experience.
- **Mentorship & Community Engagement:** Served as an Open Source Contributor and Mentor for Hacktoberfest 2020/21/22/23, fostering collaboration and encouraging budding developers to contribute to open source projects. Promoted a culture of learning and knowledge sharing within the tech community.
- **Inspiring Leadership in Technology:** Recognised as the All India Best Chapter Lead for GirlsScript Foundation, successfully leading the Punjab region. Demonstrated strong leadership and communication skills by organising workshops and events, empowering young women in technology, and fostering an inclusive environment for skill development.

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## Certification

- Edge Computing Fundamentals (Issued on August 2024) - *MindLuster*
- Blockchain Expert (Issued on April 2022) - *BlockDegree*
- Microsoft Azure (Issued on July 2021)
- Google Cloud Essential (Issued on May 2021)
- Supervised Machine Learning (Issued on Feb 2021) - *MFL EduClub*
- Full Stack Web Development (Issued on Sep 2020) - *BoardInfinity*