

Umang Gaur

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EDUCATION

Punjab Engineering College

Bachelor of Technology – Electronics and Communication Engineering

Specialization in Computer Science and Engineering | CGPA: 7.2/10

Chandigarh, India

Dec 2021 – July 2025

SKILLS

- **Languages:** Java, Python, JavaScript, SQL, HTML5/CSS
- **Technologies/Frameworks:** Java Spring boot, ReactJS, WebSockets, TanStack Query, Redux, Zustand, Node.js, MongoDB, Kafka, Redis, MySQL
- **Cloud & DevOps:** AWS (EC2, S3, Textract), Git, GitHub Actions, Copilot, CI-CD Pipelines, Docker
- **System Design & Architecture:** Distributed Systems, Multi-tiered Application Development, State Management, RESTful APIs
- **CS Fundamentals:** Data Structures, Algorithm Design, Complexity Analysis, OOP, Operating Systems, Database Management Systems

EXPERIENCE

Software Developer | Trident Group India 📄

January 2024 – July 2024

- Built **web-based inventory platform** for cross-company product comparison, enabling competitive analysis and improving product quality by aligning with market standards.
- **Collaborated** with the HR and operations teams to create a **mobile application** hosted via Expo Go, **streamlining company-wide test management** for 11,000+ employees and reducing workload significantly.
- Developed a **web and mobile application** using AI/ML and AWS Textract to extract more than 150 visiting cards monthly, storing in MongoDB and displaying in a web table for quick contact access.
- Developed an **OCR PDF Data Extraction System** in **Python + AWS Textract** to automatically process **50+ performance PDFs per day**, extracting 10+ KPIs per document.

PROJECTS

Abizma | The Global Business Collaboration Platform 📄

Nov 2024 – Feb 2025

- Built a platform where businesses can meet and grow together. This website helps individual businesses to corporations to connect with each other faster and helps to form long-term relationship.
- This platform is designed to simplify global business networking by reimagining traditional B2B methods such as cold emails, directories, and intermediaries, **saving partnered businesses 60–65% on outreach costs**.
- **Onboarded 90+ businesses** actively engaging and growing through real-time messaging powered by WebSockets.
- **Tech Stack - Reactjs, RESTful APIs, Docker, Tanstack Query, Redis, Websocket, Node.js, Express.js, MongoDB Atlas M0** for data storing.

Web-based Inventory Management Solution 📄

April 2024 – June 2024

- **Collaborated** with a **team of 3** developers to create an advanced **inventory tracking system** website.
- Managed and displayed details for **1,000+ product SKUs**, improving and utilized OTP-based user authentication and authorization.
- Deployed infrastructure on AWS EC2 and stored media files on S3, **reducing hosting costs by ~80%** compared to traditional servers.
- Integrated Reactjs, Node.js, Express.js, and MongoDB Server to increase performance and scalability.

ACHIEVEMENTS

- Executive Body Member - Entrepreneur Incubation Cell (EIC) **Organized** the TED Talk by **Varun Singhla**, CEO of Gate Smasher, drawing an audience of over **1,000 attendees**.
- Ranked among the **top 6000 teams** during the [Flipkart Grid Hackathon](#).
- **Solved 400+ competitive programming problems** involving **advanced algorithms** and **complexity optimization** on [LeetCode](#) and [GeeksForGeeks](#).
- **Achieved Elements of AI Certification** from the [University of Helsinki](#) with a **95% grade**, strengthening understanding of core AI principles and their **real-world societal implications**.