

ABHAYRAJ SINGH MANDLOI

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EDUCATION

Bachelor of Technology - Computer Science & Engineering

LPU, Punjab | 2023-2027

CGPA: 9.35/10.0

Higher Secondary

Paramount Academy, Madhya Pradesh | 2022-2023

Percentage: 81.9%

TECHNICAL SKILLS

Programming Languages: Java, C, CPP, PHP

Web Development: HTML, CSS, Tailwind CSS, JavaScript, JQuery, Typescript, Bootstrap, React.js, Node.js, MERN

Database Management: MySQL, DBMS, Postgres, MongoDB

Development Tools: Git, GitHub, Docker, MVC, WordPress, JWT Authentication, Deployment & Testing

PROFESSIONAL PROJECTS

Conversational AI for Legal Assistance – Sanrakshan (Team Project)

Feb 2025 - Apr 2025

Developed AI-powered legal assistant leveraging NLP to democratize access to justice and streamline judiciary processes using MERN. <https://judicialchatbot.onrender.com/>

- Built multilingual conversational AI system integrating NLP, OCR, and transformer-based models to process and respond to legal queries with high contextual accuracy.
- Implemented sentiment analysis and compliance monitoring tools to support transparent and emotionally-aware legal discussions.
- Designed scalable architecture supporting legal translation, case research assistance, and accessibility for users across socioeconomic backgrounds.

Revenue Generation System - EnviroCare (Water Management Company)

Dec 2024 - Feb 2025

- Architected and deployed a scalable data management system handling 10,000+ daily transactions using PHP, React, JavaScript, SQL, tailwind CSS. <https://watermanagement-123-mp.free.nf/>
- Engineered robust validation algorithms reducing data errors by 98% and eliminating duplicate entries.
- Designed intuitive desktop interface increasing user productivity by 35% and reducing training time from 2 weeks to 3 days.
- Implemented performance optimizations resulting in 60% faster load times and 40% reduction in server resource utilization and integrated automated reporting features generating actionable business intelligence for executive decision-making.

CODING ACHIEVEMENTS

LeetCode: Top 1% globally.

GeeksForGeeks: Top 1% at university level.

CodeChef: Bronze league coder & Diamond-level Problem Solver with 1000+ problems solved.

HackerRank: 5-Star Gold Badge in Problem Solving, Java, SQL, and CPP

CERTIFICATIONS

Certified in Java, C, CPP Programming and DSA (NeoColab, 2024-2025)

Master Java Programming (GeeksForGeeks, 2024) - Top 100 Rank

Responsive Web Design (FreeCodeCamp, 2023) - 300+ hours

ACHIEVEMENTS

Winner - AI in Web Development Hackathon

LPU, May 2025

Winner - Speaking Battlefield - Storytelling Competition

LPU, Dec 2024

