

# Tarun Singh Chauhan

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## SUMMARY

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A recent BCA graduate with strong foundations in software engineering, data structures, and algorithms. Experienced in building full-stack applications using React.js, React Native, Node.js, and MongoDB, with a strong emphasis on transferable skills such as problem solving, scalable design, and collaboration. Passionate about adapting to new technologies, eager to learn new technology stacks, and motivated to contribute to projects that impact users at scale.

## SKILLS

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Languages	Python, JavaScript, HTML, CSS
Frameworks & Libraries	React.js, React Native, Node.js, Express.js, Python Libraries, Flask, Django
Databases	MongoDB, MySQL, PostgreSQL
Web Dev Tools	VS Code, Git, GitHub, WordPress, Elementor, Tailwind CSS
Cloud & DevOps Tools	Docker, Kubernetes, GitHub Actions, CI/CD, Google Workspace, Microsoft 365, Power Apps
Coursework	Data Structures & Algorithms, Operating Systems, OOP, Computer Networks, DBMS, Software Engineering, AI, Machine Learning
Soft Skills	Problem Solving, Self-Learning, Presentation, Adaptability, Teamwork, Communication

## ACHIEVEMENTS & CERTIFICATIONS

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- 2025 5 ★ Gold in Python (HackerRank)
- 2024 Google AI Essentials (Google)
- 2023 CS50 Introduction to Computer Science (Harvard)

## PROJECTS

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### ActLocal – Hyperlocal Service Marketplace

[Visit](#)

Mobile app connecting customers with local service providers using React Native, Node.js, Express, and MongoDB (GeoJSON + Geospatial Indexing). Features include geolocation-based search, provider profiles, bookings, payments, and real-time chat. Designed to empower informal workers by increasing digital visibility and access to clients.

### Cloud Drive – Photo Storage System

[Visit](#)

Developed a cloud drive platform that stores photos in a directory-like folder structure using the MERN stack. Implemented secure file upload, retrieval, and organization with a scalable backend.

### Portfolio – Personal Developer Website

[Visit](#)

Personal portfolio website built with React.js and Tailwind CSS, showcasing projects, skills, and achievements. Hosted on a cloud platform for scalability, with integrated blog and contact features.

Python PDF Password CrackerCompetition Winner

Python script to attempt unlocking password-protected PDF files. Won first place in a programming competition, demonstrating problem-solving and algorithmic skills.

Python Voice AssistantGitHub Repo

Developed a voice-controlled assistant to automate tasks like opening apps, searching the web, and managing files. Implemented using Python libraries such as SpeechRecognition, pyttsx3, and web automation tools.

React Dice GameGitHub Repo

Interactive dice-rolling game built with React.js, focusing on state management, UI design, and interactivity.

WORK EXPERIENCE

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Software Development Intern — Penthara TechnologiesJan 2025 - Feb 2025

- Developed and customized **WordPress websites**, including themes, plugins, and responsive designs.
- Assisted in **website optimization, debugging, and testing** to improve performance and user experience.
- Collaborated with the team to **analyze client requirements** and deliver tailored solutions within deadlines.
- Gained practical exposure to **CMS development, version control (Git/GitHub), and Agile workflows**.
- Strengthened skills in **problem-solving, adaptability, and teamwork** while working on live projects.

EDUCATION

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2022 – 2025	Bachelor’s Degree at <b>CGC Mohali</b> (GPA: 7.51/10.0)
2021	Class 12th C.B.S.E. Board (87%)
2019	Class 10th C.B.S.E. Board (75%)