YASH WATTS

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Summary

B.Tech Computer Science student with strong proficiency in **Data Structures & Algorithms**, **Full Stack Development** and **AI/ML model building**. Experienced **freelance Full Stack Developer** with a proven record of delivering modern, scalable, and performance-driven web applications. Led teams and participated in **15+ hackathons**, demonstrating exceptional skills in leadership, collaboration, innovation, and technical problem-solving. Passionate about developing impactful digital solutions that has real-world impact.

Experience

Rallison Paints Pvt. Ltd. | *Full Stack Developer* ⬈   **Aug 2025 – Oct 2025**
- Developed and maintained a comprehensive business website with a modern design, enhanced user experience and robust backend functionality.
- Implemented responsive layouts and optimized performance and SEO, resulting in a **25% increase in site traffic**.
- Integrated **Firebase Authentication** and **Cloud Firestore** to manage over **500+ real-time user interactions**.
- **Tech Stack:** Next.js, Firebase, Cloud Firestore

Skills

Programming C++, JavaScript, Python, Java, PHP
Development: React Native, React.js, Next.js, Node.js, Express.js, MongoDB, MySQL, Firebase, Cloud Firestore
Tools: Git, GitHub, VS Code, Google Cloud, Google Colab, Jupyter Notebook, Postman
CS Fundamentals: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks
Soft Skills: Leadership, Communication, Team Collaboration, Adaptability, Problem-Solving

Projects

Vaani | *React Native, TypeScript, React Native Voice, Android SDK* ⬈   **October 2025 – Present**
- Built a mobile application that provides real-time **speech-to-text captioning** for **Deaf and Hard-of-Hearing users**.
- Supports **15+ Indian languages** with simplified captions, ensuring accessibility and low-latency performance.

MeriCity | *React.js, Node.js, Express.js, MongoDB, Google Auth, Google APIs* ⬈   **Sep 2025 – Oct 2025**
- Developed a **civic issue reporting platform** enabling real-time complaint tracking and resolution through connected dashboards.
- Built an **AI-driven routing engine** for automated issue classification and department mapping, enhancing transparency and efficiency.
- Introduced **gamified citizen engagement** and a **subscription-based model** for municipal adoption.

Achievements & Certifications

- **Patent/IPR Filed (Aug 2025):** *Self-evolving AI System Utilizing Quantum Computing for Autonomous Learning and Adaptive Decision.* Successfully filed with DRD; verification completed and awaiting official publication.
- **OCI AI Foundations – Oracle (2025):** Learned core concepts of **AI, ML, Deep Learning, and Generative AI** with practical exposure on Oracle Cloud Infrastructure.
- **Android Development – Techvanto Academy (Summer Training, 2025):** Gained hands-on experience in **Java-based Android development** and built a functional mobile application during training.
- Actively participated in **15+ hackathons**, winning **4 national and university-level hackathons** with innovative project solutions.
- Developed and maintained a portfolio of **12+ real-life projects**, focusing on scalable, practical, and user-centric digital solutions.

Education

B.Tech. Computer Science and Engineering   **August 2023 - May 2027**
Lovely Professional University, Phagwara   *CGPA: 7.93 / 10*