Harpreet Singh

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SUMMARY

Computer Science graduate with strong foundation in data structures, algorithms, and systems programming. Hands-on experience building scalable full-stack and cloud-based applications (MERN, AWS, Docker). Skilled in API integration, CI/CD, and Agile teamwork; passionate about solving complex problems with efficient, maintainable code.

EDUCATION

Queens College, City University of New York (CUNY)　　　　　　　　　　　　　　　　Queens, NY
B.A. in Computer Science, Sep 2024

TECHNICAL SKILLS

Languages: C++, Python, JavaScript, TypeScript, Java, SQL, PHP, HTML/CSS
Frameworks & Libraries: React, Next.js, Node.js, Express, Redux, Zustand, Tailwind, Bootstrap
Databases & Tools: MongoDB, Git/GitHub, Unix/Linux, Xcode, Docker
Certifications: MERN Stack Development (Udemy, 2024), AWS Cloud Practitioner

EXPERIENCE

Debug Dragons LLC　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Queens, NY
Software Developer　　　　　　　　　　　　　　　　　　　　　　　　　　　Aug 2024 – Present
- Built and maintained full-stack features for **65spirits.com**, including shopping cart, checkout, and Stripe integration, boosting sales by 20%.
- Launched a high-performance, statically generated (SSG) portfolio site for **royalturbanny.com** using Next.js and Tailwind, integrating a Sanity.io headless CMS for dynamic, client-managed blog content.
- Optimized SEO and site performance, improving load times by 30%.
- Integrated Google Maps and Twilio APIs for **rbchauffeur.com**, streamlining booking and notifications.
- Ensured scalability of client applications by optimizing queries and refactoring backend code.

CUNY Tech Prep　　　　　　　　　　　　　　　　　　　　　　　　　　　　New York, NY
Web Development Fellow　　　　　　　　　　　　　　　　　　　　　　　Aug 2024 – May 2025
- Selected for a competitive fellowship to build production-grade full-stack projects.
- Completed weekly Agile sprints with peer reviews, retrospectives, and daily standups.
- Deployed apps on Render and Vercel with CI/CD pipelines; explored AWS and Docker.

K.S. Billing & Associates Inc.　　　　　　　　　　　　　　　　　　　　　　　New York, NY
IT Support Specialist　　　　　　　　　　　　　　　　　　　　　　　　　Jan 2021 – Present
- Supported software/hardware systems, managed corporate website and servers, resolving 50+ IT tickets monthly.
- Automated backup processes and implemented disaster recovery protocols to secure data.
- Trained staff on IT tools, reducing repetitive support requests by 25%.

PROJECTS

CUNY Connect　　　　　　　　　　　　　　　　　　　　　　　　　　Aug 2024 – Sep 2024
MERN Stack　　https://github.com/ravimultani38/hackathon1
- Built a centralized student portal with JWT authentication, MongoDB Atlas, and WebSockets for real-time alerts.
- Designed responsive React UI with Tailwind; deployed on Vercel with custom domain.

Park Out　　　　　　　　　　　　　　　　　　　　　　　　　　　　Nov 2023 – Dec 2023
React, Node.js, MongoDB, WebSockets　　https://github.com/ravimultani38/ctp_parking
- Implemented secure role-based authentication with JWT and bcrypt.
- Integrated Google Maps API and optimized MongoDB queries for real-time parking availability.

Public Restroom Finder　　　　　　　　　　　　　　　　　　　　　　Sep 2023 – Oct 2023
React, OpenLayers, Vite　　https://github.com/ravimultani38/Public-Restroom-Finder
- Built an interactive map-based app with restroom markers and filters.
- Added service worker caching for offline use; improved SEO with sitemap + robots.txt.

RELEVANT COURSEWORK

Data Structures and Algorithms, Software Engineering, Databases, Operating Systems, Computer Networks