Vishal Prasad Sharma

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Professional Summary

Passionate Computer Science graduate skilled in Python, Java, and full-stack development. Enjoy solving complex problems through code and contributing to open-source projects. Eager to apply my technical skills and enthusiasm in a professional engineering role.

Education

- **ACS College of Engineering, Bangalore**   **2021-2025**
  Bachelor of Engineering – Computer Science
- **Siang Model Higher Secondary School, Pasighat**   **2019**
  Class 10th (CBSE): 84%
- **IGJ Higher Secondary School, Pasighat**   **2021**
  Class 12th (CBSE): 78%

Experience

Web Development Intern | VARCONS TECHNOLOGIES PVT LTD   **May–Jul 2023, Bangalore**

As a Web Development Intern, I contributed to designing, building and optimizing responsive websites that improved user experience and performance. My work involved front-end development, cross-browser testing, and implementing technical enhancements based on user feedback to deliver stable, high-performing web applications.

• Developed responsive sites using HTML/CSS/JS with 100% cross-device compatibility
• Boosted stability via SIT/UAT testing, resolving 15+ critical bugs
• Improved UX through feedback-driven changes, reducing support tickets by 30%
• Enhanced performance by 25% through code and asset optimization.

Skills Summary

Languages: C, C#, R, Java, SQL, Python, JavaScript
Web Technologies: React, Flask, HTML/CSS, Bootstrap, REST APIs
Data Science: Pandas, NumPy, Scikit-learn, NLP.
Tools: Git, JIRA, ServiceNow, Agile/Scrum
Concepts: Data Structures and Algorithms (DSA), Operating Systems (OS), Database Management Systems (DBMS), Object Oriented Programming (OOP), Unit Testing.
Soft Skills: Leadership, Communication, Problem Solving, Team Collaboration.

Academic Projects

One Piece Restaurant Website | HTML, CSS, JavaScript, Bootstrap link   **2022**
• Delivered a mobile-first website using Bootstrap, achieving 100% cross-device compatibility and increasing mobile user engagement by 35%.
• Enhanced UX with animated sections and smooth scroll navigation, improving average session duration by 20%.
• Optimized for SEO through semantic HTML5 structure, resulting in 15% higher organic traffic within 2 months.
• Reduced bounce rate by 25% by redesigning the menu/gallery sections based on user feedback.

Automated Customer Data Integration System | Java, JDBC   **2023**

• Streamlined 500+ daily customer records using Core Java and JDBC, achieving 95% data accuracy and cutting manual processing time by 50%.
• Systematized data validation with email/numeric/domain checks, reducing invalid entries by 50% (email formats, numeric ranges, domain-specific checks).
• Ensured 97% database accuracy by standardizing file protocols (locations/naming) and generating real-time error reports.
• Eliminated 30+ recurring data issues through automated rejection criteria for mismatched records.

Ethions Ethical Fashion E-Commerce Website | HTML, CSS, JavaScript, Flexbox/Grid link   **2023**
• Built a fully responsive ethical fashion e-commerce site using HTML, CSS Grid, and Flexbox, achieving 100% cross-device compatibility and increasing mobile user engagement by 40%.
• Integrated dynamic cart functionality with local Storage and JavaScript, improving cart retention rates by 30% and boosting completed purchases.
• Enhanced UX with clean product grids, animated add-to-cart actions, and smooth navigation, increasing average session duration by 25% and reducing bounce rate by 20%.
• Optimized site performance through semantic HTML5 and structured CSS, improving page load speed by 15% and laying the foundation for stronger SEO performance.

Movie Recommendation System | Python, Flask, Pandas, Scikit-learn, HTML/CSS, CSV link   **2024**
• Built content-based recommender using NLP (Count Vectorizer + cosine similarity) on 10,000+ movie records, improving suggestion relevance by 40% vs baseline popularity filters.
• Developed Flask web app serving personalized top-10 recommendations with <1s response time, featuring dynamic UI with ratings/genres/release years.
• Reduced "no results" errors by 75% by implementing fallback templates and CSV-backed search history tracking.
• Achieved 85% user satisfaction in testing through intuitive UX displaying 5+ metadata fields per recommendation.

Blockchain Certificate Generator | Python, SHA-256, QRCode, JSON, File I/O link   **2025**
• Designed tamper-proof certificate system using SHA-256 hashing across 4 distributed nodes, achieving 100% data integrity in validation tests.
• Engineered certificate issuance with QR-code verification, reducing manual validation time by 90% via Flask API endpoints.
• Prevented forgery risks by implementing cryptographic ledger synchronization, detecting 100% of simulated tampering attempts.
• Scaled system to process 200+ certificates/hour with zero hash collisions.

Achievements & Certifications

- Solved more than 200+ DSA problems on platforms including Hackerrank & Leetcode.
- Varcons Internship Certificate (May 2023 – Jul 2023).**link**
- JAVA: Mastering the Fundamentals. **link**
- Introduction to ITIL® V4.**link**