Harsimran Singh Dhillon

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PROFESSIONAL SUMMARY

Motivated software professional with 2 years of hands-on experience. Led API solution development, reducing manual effort by 85%. Proven in enhancing system resilience, cutting outage response times by 80%. Committed to driving excellence in efficient, reliable, and continuously improved software solutions.

EDUCATION

Binghamton University, Watson College of Engineering   Binghamton, NY
Masters of Science, Computer Science (GPA - 3.67 / 4.00)   Aug 2023 - May 2025
Relevant Coursework: Data Structures and Algorithms, Programming Languages, Computer Security, Database Systems

Savitribai Phule Pune University   Pune, India
Bachelor of Engineering, Computer Engineering (GPA - 3.64 / 4.00)   Aug 2017 - Jun 2021
Relevant Coursework: Object Oriented Programming(OOPs), Data Mining, Relational Database(RDBMS), Cloud Computing

SKILLS AND INTERESTS

Programming & Web Development: Java, Python, C, C++, React, Angular, JavaScript, HTML, CSS, Vue.js, Bootstrap
Backend & Database: Apache Camel, Flask, Spring Boot, Gradle, MySQL(SQL), MongoDB(NoSQL), PostgreSQL
Project Management: Git, Github, Gitlab, Docker, Kubernetes, Jenkins, Jira, Bitbucket, Scrum, SDLC
Frameworks & Tools: Amazon Web Services (AWS), Splunk, Node.js, Postman, HTTP, XML, YAML, JSON, IntelliJ, Visual Studio Code, Android Studio, Xcode(ios), Confluence(Documentation), LaTeX
Soft Skills: Collaboration, Communication, Teamwork

WORK EXPERIENCE

TIAA GBS, Analyst - Software Developer | Pune, India   Jul 2021 - Jul 2023
- Implemented Agile approach for continuous integration and maintenance during crucial 4-month API conversion from Mule framework to Apache Camel
- Reduced response times during server outages by 80% by analyzing and resolving complex issues, supporting the testing team, and optimizing CI/CD of a REST API
- Rectified application server crash issue in the production environment, preserving 55% of memory used, managed production issues and enhancements, and provided DevOps support for 4 applications
- Spearheaded development of API solution, resulting in 85% decrease in manual effort and bolstering efficiency

Cognifront, Software Engineer Intern | Remote, India   Jun 2020 - Jul 2020
- Implemented Attendance Marking System, reducing manual labor by 90% and paper waste by 60%
- Debugged and triaged application logs with Splunk, identifying and documenting solutions for each failure call
- Conducted advanced data analysis with SQL and visualization tools, resulting in 40% improvement in targeted marketing effectiveness and 15% increase in customer acquisition

PROJECT

The Spice Tradition, Full Stack Developer | Solo Project   Mar 2024
- Crafted an e-commerce website for a startup, utilizing tech stack including React, JavaScript, HTML, CSS, and MongoDB
- Attained sales revenue of 5 lakh rupees during website's initial development phase
- Redesigned brand logo using Canva to better align with strategic branding objectives and enhance brand message clarity

Depression Detection System, Full Stack Developer | Group Project   Apr 2021
- Orchestrated a team of 3 to design machine learning project based on 3 modules: Facial features, Acoustic features, and PHQ 9 questionnaire to detect depression
- Created and built website's user interface (UI/UX) using Vue.js and JavaScript to integrate all 3 components
- Executed backend module to extract facial features with 86% accuracy

Foody - Online Food Ordering Website, Frontend Developer | Group Project   Mar 2020
- Created online meal ordering website using web technologies like Angular, JavaScript, HTML, CSS, and MySQL database
- Engineered innovative backend data mapping system using JavaScript and Angular, optimizing data retrieval processes and increasing system performance by 40% while reducing loading times by 50%
- Revamped website performance and decreased latency by 20% through data caching and search engine optimization strategies

PUBLICATION

- Research paper - **Machine Learning-Based Depression Classification Model** in the IJCRT journal (ISSN: 2320-2882 and Impact factor: 7.97)