Vedant Singh Chauhan

Software Engineer
Salescode.ai

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EDUCATION

Jaypee Institute of Information Technology, Noida
2022 – 2026
B.Tech in Computer Science and Engineering
CGPA: 8.0/10

City Montessori School, Lucknow
2021 – 2022
Intermediate (ISC)
Percentage: 96.5%

WORK EXPERIENCE

Software Engineer
On-site
Salescode.ai
June 2025 – Present

– Engineered 5+ Java Spring Boot microservices with REST APIs, increasing backend modularity by 30% and optimizing data flow efficiency
– Automated generation of 10+ Jasper reports, reducing manual reporting time by 25% while managing MySQL databases with 20K+ records
– Streamlined internal data ingestion flows using Apache NiFi within a 6-member Agile team, contributing to clean, scalable codebase

PROJECTS

CampEase (Link)

– Developed full-stack campground booking platform using **Node.js**, **Express**, and **MongoDB**, implementing user authentication and advanced filtering
– Designed responsive UIs with EJS templates, integrating backend functionality that improved booking operations efficiency by **40%**

PCOS Synthetic Dataset & Blockchain Storage (Link)

– Generated 100+ synthetic PCOS records using **CTGAN** with Flask-based pipeline, ensuring privacy compliance and statistical diversity
– Implemented **SHA-256 blockchain** for secure dataset storage with MongoDB metadata management, enhancing data security by **95%**

PCOS Detection Tool (Link)

– Built ultrasound image classifier using **MobileNet** and **Grad-CAM** for explainable AI with **92%** accuracy in clinical testing
– Enabled real-time image uploads with feature activation visualization, improving diagnostic interpretability for medical professionals

TECHNICAL SKILLS

Languages: C, C++, Java, Python, JavaScript, HTML, CSS, SQL
Frameworks & Libraries: Spring Boot, React.js, Express.js, EJS, Flask, TensorFlow, Keras, CTGAN
Tools & Technologies: Git, Jolt, Jasper Reports, Apache NiFi, Visual Studio Code
Databases: MySQL, MongoDB
Core Skills: REST API Development, Database Design, Object-Oriented Programming (OOP), Software Testing, Agile Development, Report Generation

ACHIEVEMENTS

– Authored paper on **PCOS Detection Tool**, accepted at IC3 2025 (top 12% acceptance rate among 481+ submissions)(Link)
– Secured **Top 10 finish** among 50+ teams at **JIIT's Ride-Hack 2024** for *Metropolis Assist*
– Advanced explainable AI research through contributions to **CNN & Grad-CAM** applications in medical imaging
– Solved **800+ coding problems** across LeetCode, HackerRank, and GFG, earning multiple skill badges
– Mastered core concepts of **Data Structures and Algorithms** through coursework in Software Development Fundamentals and Database Management Systems
– Completed **Full-Stack Web Development course on Udemy** with certification (Link)

PROFILES

– ‹/› LeetCode - LeetcodeVedant
○ GitHub - Vedant27672