Vedant Singh Chauhan

Software Engineer
Salescode.ai

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in LinkedIn
🌐 Portfolio
○ GitHub

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)
- Completed **Deep Learning (NPTEL)** certification under IIT faculty (Certificate Link)
- Completed **Software Project Management (NPTEL)** certification (Certificate 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

- 🌐 Portfolio   </> LeetCode   ○ GitHub