Himanshu Heda

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
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Python Full-Stack & Cloud Engineer with hands-on experience in backend development, cloud-native systems, AI-powered applications, and analytical dashboards. Skilled in Python, Java, Streamlit, Docker, Kubernetes, GCP, and automation workflows. Strong open-source contributor with leadership experience as a mentor and project admin across multiple community programs. Adept at building scalable platforms, optimizing deployments, and delivering user-centric applications.

Education

Christ University , MCA	Jul 2024 – present Ghaziabad, India
Vision Group of Commerce, BCA	Jul 2021 – Apr 2024 Chittorgarh, India

Projects

Zip Tales ⧉ — Jun 2025 – Present
Tech: Python, Gemini AI, Blockchain, Streamlit
- Developed a system that detects fake news using ML and crowd-sourced validation.
- Integrated Blockchain for tamper-proof verification records.

Car Sales Analysis ⧉ — Apr 2025 – Apr 2025
Tech: Python, Streamlit
- Built an AI-enhanced dashboard for trend analysis and data visualization.

Chatting Application ⧉ — Jan 2025 – Jan 2025
Tech: Java Swing, Socket Programming
- Designed a multi-client chatting system supporting seamless communication.

Bank Management System / ATM Simulator ⧉ — Dec 2024 – Jan 2025
Tech: Java
- Implemented key ATM features: cash withdrawal, deposits, PIN management, and transaction history.

Step into Style ⧉ — Apr 2023 – Jun 2023
Tech: HTML, CSS, JS, PHP
- Built a dynamic product-display website with enhanced UI elements.

PAPER / RESEARCH

Comparative Analysis using on Phishing URL's using Machine Learning and Deep Learning
- Studied ML vs. DL model accuracy for phishing detection and URL classification.

Professional Experience

Python Full Stack Developer Intern — May 2025 – Jul 2025
OctoDo Solutions — Noida 62, India
- Refactored a Python-based hydraulic design system and improved cost prediction accuracy using Linear Regression.
- Debugged and validated system logic to ensure reliable engineering outputs.
- Built n8n automation workflows for SEO tasks, reducing manual work by 60%.
- Integrated Semrush APIs to automate keyword tracking, backlink monitoring, and competitor analysis.

Project Admin — Feb 2025 – Mar 2025
Google Developer Student Clubs
- Led project contributions and managed workflows for student developers.
- Supported contributors with technical guidance and resource planning.

Mentor , Project Admin & Contributor — Jan 2025 – Mar 2025
Social Winter of Code (SWOC)
- Mentored students on open-source best practices and project structures.

- Reviewed PRs, guided contributors, and standardized documentation.

Mentor   Jan 2025 – Feb 2025
Kharagpur Open Source Society
- Assisted students in solving development challenges and contributing effectively to open-source repositories.

Contributor   Jan 2025 – Feb 2025
Android Club - VIT Bhopal
- Contributed to Android-based and backend-supported open-source projects.

Web Development Intern   Sep 2024 – Oct 2024
CodSoft
- Developed responsive webpages resulting in **18% improvement** in user engagement.
- Reduced page load time by **25%** with UI/UX improvements and frontend optimization.

Project Admin   Jul 2025 – Oct 2025
GirlScript Summer of Code
- Reviewed **50+ pull requests** and ensured coding standards, improving overall code quality by **20%**.
- Improved contributor onboarding speed through documentation refinements.

Achievements

Finalist, Hackathon   Jun 2025
ABV-IIITM   Gwalior , Madhya
                                                                  Pradesh, India

Skills

Programming & Development
Python • Java • PHP • JavaScript • Web Development • Android Development • JDBC Connectivity • OOP • REST APIs • Git • GitHub • VS Code

Cloud & DevOps
Google Cloud • Docker • Kubernetes • Containerization • Orchestration • Virtualization • Cloud Computing • LM Studio • Linux Administration • CI/CD (Basic)

Database & Servers
MySQL • XAMPP Server • SQL Queries • Database Management • Data Migration

SEO & Marketing Tools
Semrush (On-page SEO • Off-page SEO • SEO Automation)

Collaboration & Contribution
Open-Source Contribution • Project Administration • Documentation • Mentorship • Issue & PR Management

Frameworks, Libraries & Tools
Streamlit • NumPy • Pandas • Socket Programming • HTML • CSS • Java Swing

Automation & Workflow
n8n • Ngrok • Workflow Automation • API Automation

Data & Analytics
Machine Learning • AI/ML • Data Preprocessing • Linear Regression • Model Evaluation • Cost Optimization Techniques • Data Visualization • Manual Testing • Bug Fixing

Design & Prototyping Tools
Figma • Canva • Penpot • UI/UX Wireframing (Basic)

Operating Systems
Linux • Windows

Certificates

- AWS ACADEMY Cloud Foundations , AWS
- Google Cloud Arcade Facilitator , Google Cloud
- Cyber Security Training — DUCAT Noida
- Artificial Intelligence Fundamentals , IBM SkillsBuild
- International Conference on Indian Economy as Global Leader (ICIEGL-2022) , Vision Group of Colleges
- Data Visualization (POWER BI), RCPL (Ritusha Consultants Pvt. Ltd.)

- Gen AI Academy , Google Cloud
- VIUP111 — Artificial Intelligence , Intel Corporation
- Augmented Reality vs Virtual Reality (AR/VR) , AI Guild Delhi NCR
- Data Analytics and Big Data training , IBM
- Data Visualization (TABLEAU) , RCPL (Ritusha Consultants Pvt. Ltd.)