

LOVNISH VERMA

Software Developer | Computer Engineer

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PROFESSIONAL SUMMARY

Results-driven Software Developer with strong experience in full-stack development, AI/ML model integration, and data-driven application development. Proficient in delivering scalable, production-ready solutions using Python, Django, Flask, and modern data analytics tools. Adept at designing backend systems, building APIs, and automating workflows. Proven track record in deploying software solutions for government and private sector projects under tight deadlines. Passionate about clean, maintainable code and emerging technologies. Strong team collaborator experienced in working with data analysts, scientists, and stakeholders.

PROFESSIONAL EXPERIENCE

NATIONAL INSTITUTE OF ELECTRONICS & INFORMATION TECHNOLOGY, CHANDIGARH (NIELIT) Permanent Campus ROPAR
Project Engineer *Dec 2024 - Present*

- Designed and implemented software systems to streamline government project workflows.
- Developed a Certificate Management System capable of generating and emailing thousands of digital certificates.
- Built RESTful APIs, integrated ML models, and managed deployment pipelines.
- Collaborated with scientists and government officials on national-level AI and e-Governance projects.

SMILING WALLS

Chandigarh

Software Developer

Nov 2023 - Aug 2024

- Built Python-based data pipelines using Pandas, Matplotlib, and Seaborn for business reporting.
- Automated manual reporting processes, improving overall team productivity by 40%.
- Developed full-stack web solutions using PHP, MySQL, and WordPress.
- Delivered custom e-commerce websites using WooCommerce and front-end technologies.

NATIONAL INSTITUTE OF ELECTRONICS & INFORMATION TECHNOLOGY, CHANDIGARH (NIELIT) Permanent Campus ROPAR
AIML Trainee *Apr 2023 - Oct 2023*

- Contributed to projects in NLP, image processing, and predictive analytics.
- Integrated ML models into Flask-based web applications.
- Built scalable APIs and automated backend systems using Python.
- Supported Digital India initiatives through AI/ML capacity-building programs.

EDUCATION

GREEN HILLS ENGINEERING COLLEGE

Bachelor of Technology (B.Tech), Computer Science & Engineering

Himachal Pradesh Technical University

2020- May 2023

GOVT POLYTECHNIC COLLEGE SUNDERNAGAR

Diploma in Computer Engineering (3 Years)

HPTECH BOARD

2017 - Jun 2020

TECHNICAL SKILLS

- **Languages:** Python, PHP, C, C++, Java, SQL, JavaScript, HTML, CSS, Bootstrap
- **Frameworks & Libraries:** Django, Flask, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn
- **Databases:** MySQL, SQLite, MongoDB
- **Tools & Platforms:** Git, GitHub, Jupyter Notebook, VS Code, WordPress, WooCommerce, Postman, Google Colab, AWS
- **Concepts & Technologies:** SEO (On-Page & Technical), AI/ML, Data Science, Big Data, RESTful APIs, Web Development, Web Scraping, Automation Scripts, Object-Oriented Programming (OOP), DBMS (**SQL/NoSQL**)
- **Operating Systems:** Windows, Linux (Ubuntu)

CERTIFICATIONS

- Internship Training Program in Python – ThinkNext Technologies
- CyberShiksha Fundamentals – Microsoft & DSCI with LinkedIn Career Essentials
- The Complete 2022 Web Development Bootcamp – Udemy

RESEARCH PUBLICATIONS

- **Blockchain-Based Certificate Verification System: A Decentralized Approach** – Springer Nature Singapore
- **IoT-Based Remote Control and Monitoring of Electrical Appliances** – International Journal of Digital Technologies

LANGUAGES

- **English:** Fluent
- **Hindi:** Proficient