

Vaishnavi Mishra

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EDUCATION

SRM Institutue of Science and Technology <i>B.Tech Computer Science and Engineering - Blockchain Technology (CGPA: 8.9)</i>	Chennai,India 2023-2027
SACRED HEART HIGHER SECONDARY SCHOOL <i>CBSE Class 12th (Percentage: 78%)</i>	Sitapur,India 2022-2023
SACRED HEART HIGHER SECONDARY SCHOOL <i>CBSE Class 10th (Percentage: 94%)</i>	Sitapur,India 2020-2021

EXPERIENCE

Sopra Steria, TN <i>Chennai,India</i>	Software Development Intern July 2026–Present
- Built a Unified API Gateway Health Monitor using Python, FastAPI, React, and WebSockets - Implemented automated monitoring for uptime, latency, HTTP errors, and consecutive service failures to identify unhealthy services.	
The Product House SRMIST, Chennai, TN <i>SRM Institutue of Science and Technology</i>	Corporate Head Jun 2024–Present
- Partnered with Web3 firms and secured sponsorships for major blockchain events - Managed outreach, branding, and mentored junior team members.	
ACM Women SRM, Chennai, TN <i>SRM Institutue of Science and Technology</i>	Board Member Mar 2024–Sep 2024
- Contributed to the ACM-W SRM chapter, advocating for diversity and inclusivity in tech. - Organized technical workshops, hackathons, and mentorship programs to support women in computing.	

PROJECTS

Credit Card Fraud Detection <i>Python,Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn</i>	Nov 2024–Dec 2024
- Performed exploratory data analysis and preprocessing on transaction data using Pandas and NumPy to identify fraudulent transaction patterns. - Built and evaluated classification models using Logistic Regression and Random Forest with Precision, Recall, F1-Score, and ROC-AUC metrics. - Handled imbalanced data using SMOTE and visualized model insights using Matplotlib and Seaborn.	
Emoti-Sense AI <i>Python,react,Machine Learning ,AI,css,Git</i>	Mar 2026–Jul 2026
- Developed a machine learning pipeline for facial emotion recognition and sentiment analysis using Python. - Performed data preprocessing, model evaluation, and real-time prediction for multilingual emotion classification.	
ALawyer <i>Python, Vector Databases,RAG, ollama, React, CSS, Git</i>	Mar 2026–Jul 2026
- Built a Retrieval-Augmented Generation (RAG) pipeline using vector databases for semantic retrieval of legal documents. - Integrated Ollama-based LLM inference with Python backend and React frontend for document question answering.	
Elyxir – Pharmacy Management System <i>Next.js, MySQL</i>	Jan 2025–Feb 2025
- Designed a normalized MySQL relational database with 8+ tables supporting inventory, supplier, and sales workflows. - Implemented SQL queries involving joins, filtering, and aggregation for reporting and inventory management.	
xBridge <i>Sepolia, LiFi API, React.js, Node.js, Git</i>	Mar 2024–jul 2024
- Built a decentralized app for single-transaction for both swap and bridge integrating LiFi API. - Developed React frontend and Node.js backend with real-time monitoring.	

AWARDS

3rd Prize – Genesis Hackathon (TPH × SRMIST) <i>Blockchain Domain</i> Organized by SRMIST and The Product House (TPH)	Jan 2024
Programming in Java – NPTEL <i>Certification</i> Successfully completed NPTEL certification in Java programming	Jul 2024

PUBLICATIONS

Fundamentals of Blockchain Technology and Applications <i>Blockchain Innovations for a Sustainable Circular Economy</i> - Authored a book section on Blockchain Technology: Fundamentals and Applications for the book Blockchain Innovations for a Sustainable Circular Economy. - Explained core blockchain concepts, decentralized architectures, and real-world industrial applications in sustainable systems. - Contributed insights on the role of blockchain in transparency, security, and circular economy innovation.	Feb 2026 <i>Co-Author, SpringerCham</i>
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LANGUAGES

- English Professional Working Proficiency
- Hindi Native Proficiency

TECHNICAL SKILLS

Programming: Python, SQL (PostgreSQL, MySQL), C/C++, JavaScript, HTML/CSS, Dart
Data Analytics: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, SQL (Joins, Aggregations, Querying), Data Analysis
AI & Machine Learning: Scikit-learn, Streamlit, RAG, Ollama, Vector Databases
Frameworks: React.js, Node.js, FastAPI
Developer Tools: Git, PyCharm, IntelliJ, Eclipse, Android Studio, Google Cloud Platform