

SUSOVAN PATRA

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Professional Summery

- Motivated and detail-oriented Web Developer with experience in frontend and backend development. Skilled in Python programming, web application development, Networking and DSA.

Technical Skills

Languages: C/C++, Python, Java, JavaScript, TypeScript, HTML, CSS

Tools & Frameworks: Git/GitHub, NodeJS, ExpressJS, REST, FastAPI, OpenWeather API

Databases: MongoDB, MySQL

Cloud Services: Amazon Web Services (AWS), Firebase, Google Cloud

Operating Systems: Microsoft Windows, Unix/Linux - Ubuntu, Kali

Relevant Coursework: DSA, OS, Object Oriented Programming, DBMS, COA, AIML, NLP, Cloud Computing, Computer Networks (TCP/IP), MATLAB, Cyber Security, Complexity Analysis

Education

Bachelor of Technology (B.Tech) - Computer Science and Engineering

2022 - 26

Institute of Engineering & Management, Salt Lake, Kolkata, India

Study Abroad Program (S.A.P) – Artificial intelligence and Machine Learning

2023

National University of Singapore, Singapore

Work Experience

IEEE Research Intern

Pune, India

*IEEE **EMBS**(Engineering in Medicine and Biology Society)*

July 2025 – August 2025

- asMigrating a **legacy backend** system from **SLang** (proprietary language) to **Java** in the **Client Hub Engineering** team, integrating **ElasticSearch** for enhanced data search and analytics to improve system maintainability, performance, and long-term scalability.

Wipro | [Offer Letter](#) | [Certificate](#)

Remote

Web Development Intern

Jan 2025 - March 2025

- Contributed to the development of e-commerce websites and mobile applications.
- Implemented responsive UI designs using HTML, CSS, and JavaScript.

Projects

AI Powered Linked In Profile Auditor

[Website](#) | [GitHub](#) | **Apr 2025**

- Real-time grammar and writing analysis using **LanguageTool**.
- Actionable insights to polish your professional presence.
- Resume & Cover Letter Generator — create job-ready documents in seconds
- Clean and responsive user interface
- Fully deployed on **Streamlit Cloud**
- Tech Stack: Python, MongoDB, Streamlit, OpenAI API key, PyPDF2, Fake UserAgent

AgentX(AI Powered HR Assistant)

[GitHub](#) | **Feb 2025**

- Developed a comprehensive HR management system using React, TypeScript and Firebase.
- Implemented an Intelligent ATS(Applicant Tracing System) with resume scoring and matching algorithm.
- Created an automated interview scheduling and call letter generation system.
- Built a real-time chat interface for seamless communication between HR and candidates.
- Tech Stack: React, MongoDB, Tailwind CSS, NodeJS, JWT, Nodemon, Firebase Authentication, Ollama, PyPDF2

Weather App using OpenWeather API

[Website](#) | [GitHub](#) | **Jun 2024**

- Created a **user-friendly weather app** fetching **real-time weather data**.
- Integrated **geolocation services** for personalized weather updates.
- Tech Stack: HTML, CSS, JavaScript, OpenWeather API integration

Certificates

AWS Fundamentals Specialization —Coursera (offered by Amazon Web Services) | [Certificate](#)

June 2025

- **Topics-** Cloud Computing, AWS Core Services, Cloud Management

Foundation of CyberSecurity —Coursera (offered by Google) | [Certificate](#)

March 2024

- **Topics-** Cybersecurity fundamentals, business impact of security threats, tools used by analysts

Introduction to the IoT and Embedded Systems – Coursera (University of California) | [Certificate](#)

March 2024

- **Topics-** IoT, Embedded Systems, Network Protocols, Emerging Technologies

IBM – Exploratory Data Analysis for Machine Learning | [Certificate](#)

Jan 2023

- **Topics-** Gained skills in data manipulation, hypothesis testing, and statistical analysis applied to machine learning datasets.