

Prasoon Pathak

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🌐 Portfolio

🐙 GitHub

🌐 LinkedIn

🔗 LeetCode

EDUCATION

Bachelor of Technology, Computer Science & Engg.

United Institute of Technology, Prayagraj

2024 – 2027

SGPA: 7.41

Diploma in Mechanical Engineering (Production)

Chandauli Polytechnic

2021 – 2024

75.6%

Intermediate (ICSE)

St. John's School, Chandauli

2019 – 2020

65.4%

EXPERIENCE

InternAlpha

Aug 2026 – Sept 2026

Data Analytics Intern

Remote

- Performed data cleaning, preprocessing, and exploratory data analysis on structured datasets using Python.
- Applied statistical analysis and reporting techniques to extract meaningful business insights.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL

Web Development: React, HTML5, CSS3, Tailwind CSS, Node.js, Express.js,

Databases: PostgreSQL, MySQL, MongoDB, Supabase

Tools: Git, GitHub, VS Code

Core Concepts: Object-Oriented Programming, DBMS, Computer Networks, Computer Architecture

FINAL YEAR PROJECT

SecureNet IDS *React • FastAPI • PostgreSQL • Supabase • TensorFlow*

GitHub

- Built a FastAPI backend, engineered network flow features, and integrated VirusTotal, AbuseIPDB, URLScan, AlienVault OTX, and Google Safe Browsing APIs for threat intelligence enrichment.
- Achieved **99.56%** detection accuracy using a Random Forest model trained on the CICIDS2017 dataset while visualizing security events through an interactive dashboard.

PROJECTS

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VSBH Cricket League *React • Node.js • Express.js • PostgreSQL*

Code

- Developed a full-stack cricket league management platform to manage teams, fixtures, points tables, and live match updates.
- Designed a responsive interface backed by PostgreSQL to provide a seamless experience for players and organizers.

AI Social Media Post & Caption Generator *Python • Svelte • Gemini API • Hugging Face*

Code

- Built an AI-powered web application that generates social media posts and captions from user prompts.
- Designed an interactive interface to automate content creation and enhance user productivity.

Murder Mystery Game *HTML • CSS • JavaScript • PostgreSQL*

Code

- Implemented event-driven gameplay mechanics, clue progression, and state management using JavaScript.
- Designed immersive gameplay focused on logical reasoning, replayability, and player engagement.

Currency Converter *HTML • CSS • JavaScript*

Code

- Developed a responsive web application for converting currencies using real-time exchange rates.
- Integrated a live exchange-rate API with dynamic calculations and input validation for accurate conversions.

CERTIFICATIONS

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IBM Generative AI Virtual Internship

View

AWS Solutions Architecture Job Simulation

View

Deloitte Data Analytics Job Simulation

View

Introduction to Cybersecurity – Cisco

View

Getting Started with Cisco Packet Tracer

View