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EDUCATION

Maharaja Agrasen Institute of Technology, GGSIPU

Bachelor of Technology, Computer Science and Engineering

Nov 2022 – Jun 2026

CGPA: 8.7/10

S.S. Mota Singh Sr. Sec. Model School

CBSE Class XII, PCM with Information Technology

Apr 2020 – May 2022

Percentage: 93.0

EXPERIENCE

Artificial Intelligence Intern

April 2025 - Present

Astroraag AI Solutions

Remote

- Created a **topic-aware AI Agent** for generating in-depth astrological reports achieving 70%+ accuracy using Gemini API, vector embeddings and Retrieval-Augmented Generation (RAG).
- Scraped 50,000+ public birth charts using Puppeteer to benchmark and evaluate the AI agent's predictions.
- Implemented a scalable vector database pipeline using Pinecone to optimize semantic searching.

Software Developer Intern

July 2024 - August 2024

National Informatics Centre (NIC)

New Delhi

- Engineered 5+ modules for the **e-Sakshya** and **e-Forensic 2.0** portals under the Ministry of Home Affairs (MHA) using ReactJS, Axios, Material UI, IIS Server.
- Designed and implemented role-based, jurisdiction-wise dashboards and lab sample management system.
- Utilized latest React Libraries, enhancing the performance of Lab Sample processing by over 30%.

Backend Developer Intern

May 2023 - Aug 2023

Maharaja Agrasen Institute of Technology (MAIT)

New Delhi

- Developed a web based **Admission and Counselling Portal** used by 1,000+ students and 30+ admin staff, using Django, MariaDB, Unicorn, cPanel and Apache Server.
- Handled authentication, authorization, multi-step form submission and admin operations on the backend.
- Integrated Billdesk Payment Gateway, reducing average transaction processing time by over 50%.

PROJECTS

Eno Bridge (Solidity, Hardhat)

tinyurl.com/mmdbzkg9

- Enabled secure cross-chain asset transfers through lock-and-mint mechanisms between two blockchains.
- Built a real-time UI integrated with MetaMask for monitoring 100+ transactions and proof-of-transfer logs.

Geo Vision (Next.js, Google Earth Engine)

tinyurl.com/ycxs33yp

- Designed a Multimodal Earth Analyst Agent to generate actionable insights from geospatial data.
- Integrated Google Earth Engine and OpenStreetMap API to precisely analyze urban infrastructure development.

Web Fuzz Forger (WebExtensions API, Tauri)

tinyurl.com/3ytmvwyf

- Engineered a security toolkit to automatically identify and exploit common web vulnerabilities.
- Comprises 4 core components: browser extension, cross-platform IDE, VS Code extension and web dashboard.

TestCase Factory (VS Code Extension API, Gemini API)

tinyurl.com/3ump29fv

- Built a VS Code extension to automate the generation of JSON test cases provided the API endpoint code.
- Integrated Google Gemini API to boost generation speed and reduced error rates by 35%.

TECHNICAL SKILLS

Programming Languages: C++, Python, JavaScript, TypeScript, Java, Solidity, Dart, SQL

Frameworks and Libraries: ReactJS, Next.js, Express.js, Django, Flask, Flutter, TensorFlow, Scikit-learn

Development Tools: Git, Docker, PostgreSQL, MySQL, MongoDB, Postman, cPanel, Apache, Nginx

Core Skills: Data Structures and Algorithms, Object Oriented Programming, Database Management System

ACHIEVEMENTS AND LEADERSHIP EXPERIENCE

- Hackathons:** 1st Position at HackXtreme'23 (IIT Delhi), 1st Position at Build For Future'23 (Delhi Technological University), 1st Position at BitBox 3.0 (JIIT Delhi), 4th Position in HackIITK'25, (IIT Kanpur).
- Positions of Responsibility:** Development Coordinator at BYTE MAIT - Led a team of 10+ developers, organized and hosted various events and campus-wide hackathons.