Shivangi Singh

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Education

East Point College of Engineering and Technology *Nov 2022 - Jun 2026 (Expected)*
B.E in Computer Science and Engineering CGPA: 7.7/10
Relevant Coursework: Object-Oriented Programming, DBMS, Machine Learning, Artificial Intelligence, Data Structures and Algorithms, Computer Networks, Operating Systems, DevOps, Cloud Computing, Statistics and Probability
Hillwoods Academy *Mar 2021 - Mar 2022*
Central Board of Secondary Education (CBSE)

Skills

Languages: C, Java, Python, Html, Css, JavaScript, TypeScript, SQL
Technologies & Tools: ReactJS, Next.js, Node.js, Express, TailwindCSS, SCSS, TensorFlow, Keras, Scikit-learn, MongoDB, PostgreSQL, Jupyter Notebook, Docker, AWS, VS Code, Git, GitHub
Domains & Expertise: Artificial Intelligence (AI), Machine Learning (ML), AWS, Data Analysis, Backend Development, Frontend Development
Soft Skills: Leadership, Team Collaboration, Problem-Solving, Time Management, Communication, Adaptability

Roles and Responsibilities

Joblient Technologies (Remote, Bangalore) *Feb 2025 - Present*
Software Intern

- Contributed to the development of internal tools for an ed-tech platform by implementing responsive interfaces using React, SCSS, and JavaScript.
- Collaborated with backend teams to integrate REST APIs and optimize performance for real-time data flow and user interaction. Assisted in deploying and managing applications on AWS, ensuring uptime, scalability, and seamless development workflows.

Project Work

- **MediSage:**
  - Built a full-stack AI tool to extract, interpret, and summarize lab reports from PDFs and images using Google Gemini and LangChain.
  - Integrated a health-focused chatbot that answers follow-up questions based on the extracted medical data for better patient understanding.
  - Used LLM-based JSON extraction and reference-range parsing to classify test results as High, Low, or Normal, with color-coded feedback.
  - Designed an intuitive Streamlit UI with zero backend, providing a seamless, lightweight, and secure user experience. MediSage.
  - **Technologies Used**: Python, Streamlit, LangChain, Google Gemini API, PyMuPDF, Pandas**,** Render
- **DigiDock:**
  - Built DigiDock, a decentralized document vault enabling users to securely upload and manage identity files using blockchain-backed storage.
  - Integrated MetaMask wallet authentication and stored metadata in MongoDB, linking documents to user-owned addresses for secure access control.
  - Utilized IPFS (InterPlanetary File System) for decentralized, immutable file storage and retrieval, ensuring data transparency and integrity.
  - Developed a responsive dashboard with drag-and-drop upload, real-time IPFS hash linking, and file management features for enhanced user experience. DigiDock.
  - **Technologies Used**: React.js, TailwindCSS, Node.js, Express.js, MongoDB, IPFS(Pinata), MetaMask, Axios, Render, Vercel
- **SimpleWAF:**
  - Developed SimpleWAF, a lightweight Web Application Firewall for detecting and blocking common web attacks like SQL injection and XSS.
  - Implemented a modular rule-based engine with support for custom and predefined security patterns to simulate HTTP request filtering.
    Designed a web interface using Streamlit for real-time request analysis, rule testing, and security visualization. Integrated logging and alert mechanisms with request simulation for easy debugging and firewall evaluation. SimpleWAF.
  - **Technologies Used**: Python, Streamlit, Regex, WAF Rule Engine, Logging

Achievements

- **Outlier Frontend Hackathon:** Recognized as one of the top finalists.
- **Infox Code Debugging Hackathon:** Ranked 1st and won cash prize.