

Pragati Chaturvedi

+16692319038 | pragatic810@icloud.com | [LinkedIn](#) | [GitHub](#)

SUMMARY

Master's student in Computer Science with hands-on experience in web and mobile development, specializing in React Native, Node.js, and Python. Proficient in building AI-driven applications and responsive websites, actively seeking opportunities to apply technical skills in software engineering roles.

EXPERIENCE

Web Developer – Department of Information Resource and Technology, CSU Sacramento Jan 2024 - Present

- Collaborated with Web and Mobile Services to build and maintain responsive websites and apps aligned with stakeholder requirements.
- Enhanced mobile responsiveness and cross-browser compatibility by 30% through code optimization and custom CSS/JavaScript fixes.
- Led ADA compliance project using Siteimprove and Cascade CMS, achieving 100% accessibility.
- Integrated multimedia content and implemented data-driven features, boosting user satisfaction by 25%.

SKILLS

Programming Languages – Python, JavaScript, Java, C/C++, MySQL

Web & Mobile Development – HTML/CSS, JavaScript, ReactJS, React Native, Angular, Bootstrap, Node.js, Flask, FastAPI, REST APIs, Responsive Design, Web Accessibility, Expo Router, Cascade CMS, Siteimprove, Google Analytics 4

Database & Cloud technologies – MongoDB, MySQL, Google Firebase, AWS

Machine Learning & AI – TensorFlow, PyTorch, Keras, scikit-learn, Pandas, Numpy, Matplotlib, OpenCV, NLTK, OpenAI ChatGPT API, Gemini API, Predictive Modelling, Statistical Analysis, Deep Learning, Generative AI

GPU & Parallel Computing – CUDA, OpenCL, NVIDIA GPU

Development Tools & Platforms – Git/GitHub, Linux/Unix OS, Visual Studio Code, PyCharm, Jupyter Notebook, Eclipse, Anaconda, Collab, Postman

PROJECTS

ChicMate – AI Outfit Recommendation Mobile App | React Native, FastAPI, Gemini API, CLIP, BLIP, Firebase | [GitHub](#)

Built an AI-powered mobile app providing personalized outfit recommendations based on weather, occasion, and user's wardrobe, leveraging advanced image-recognition models for accurate clothing tagging and matching and reduced user's daily outfit selection time by approximately 80%.

LibBot – AI-Driven Library Management | Python, Flask, OpenAI GPT API, Google Sheets API, NLP, Function-calling | [GitHub](#)

Developed an AI-powered chatbot integrating OpenAI's GPT and Google Sheets to streamline library inventory management with 97% chatbot intent-recognition precision. Enables intuitive, real-time interactions through natural language, automating book queries, additions, updates, and inventory checks improving efficiency by 75%.

Chaos Game – Fractal Visualization UI | React, React Router, Canvas API, Data Structures, HTML/CSS | [GitHub](#) | [Website](#)

Designed interactive UI visualizing intricate fractals inspired by Sierpiński's polygons, demonstrating recursive geometry through dynamic, real-time rendering. Achieved seamless real-time interactions at 60 FPS, improving computational efficiency.

Task Manager App – Full-Stack Web Application | React, Bootstrap, Node.js, Express, RESTful APIs | [GitHub](#)

Designed a responsive task management app to streamline workflow, enabling intuitive task creation, real-time status updates, and team collaboration.

Cache Controller – 4-way Set-Associative Cache | C++, Data Structures, Cache Optimization, Memory Management | [GitHub](#)

Engineered a 4-way set-associative cache controller in C++, implementing Least Recently Used (LRU) algorithms and cache coherency protocols to optimize memory management, significantly enhancing data retrieval performance and system efficiency.

EDUCATION

California State University, Sacramento, California, USA

Aug 2023 – May 2025

Master of Science, Computer Science

GPA – 3.8/4.0

Courses – Machine Learning, Artificial Intelligence, Algorithms and Paradigms, Computer Architecture, Data Models and Database Management Systems, Parallel Programming in GPUs, Computer Systems Structure, Programming Methodology

Devi Ahilya University, Indore, Madhya Pradesh, India

Jan 2021 – June 2022

Post Graduate Diploma, Computer Applications

CGPA – 8.69/10

Courses – Object Oriented Programming in Java, Distributed Systems, Network Security, Database Management Systems, Computer Organisation and Architecture

CERTIFICATES

[The Web Developer Bootcamp](#)

[Artificial Intelligence Training Program](#)

[Introduction to Cybersecurity - Cisco Networking Academy](#)

[AWS Educate - Introduction to Generative AI](#)