

Pragati Chaturvedi

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SUMMARY

Full-Stack Software Engineer with a passion for solving real-world problems through intelligent, user-centric apps. With hands-on experience developing generative AI-powered tools (ChicMate, MindShelf), I bring backend strength, design thinking and a relentless “What else can we do?” mindset, thriving at the intersection of problem-solving, experimentation, and delivery.

EDUCATION

Master of Science, Computer Science – California State University, Sacramento, California, US GPA - 3.8 / 4.0	Aug 2023 – May 2025
Post Graduate Diploma, Computer Applications – Devi Ahilya University, Indore, Madhya Pradesh, India 8.7/10	Jan 2021 – June 2022
Bachelor of Science, Mathematics and Computer Science – Government Science College, Jabalpur, MP, India 8.1/10	Aug 2017 – Oct 2020

RELEVANT COURSEWORK

Machine Learning, Parallel Programming with GPUs, Algorithms & Paradigms, Data Models & Data Management System

EXPERIENCE

Web Developer – Division of Information Resources & Technology, CSU Sacramento	Jan 2024 – Feb 2025
<ul style="list-style-type: none">• Web & Content Automation: Automated the analysis of 1400+ web pages and 20K+ PDFs across university website using Python scripts to identify stale or outdated content, and generating structured reports used for site-wide cleanup and compliance.• Intelligent Document Classification: Automated classification of 4000+ PDF documents to identify stale content using modification dates, text patterns, and keyword rules, enabling smarter remediation and reducing content review workload by 90%.• Website Performance Analytics: Analysed site engagement using GA4 and peer benchmarking to pinpoint underperforming sections, propose structural changes, and influence web content strategy through actionable data insights.	

SKILLS

Programming Languages :	Python, JavaScript, Java, C#, C/C++
Web & Mobile Development :	HTML/CSS, ReactJS, Vue, Vite, Node.js, Flask, FastAPI, React Native, Expo Router, Google Analytics 4
Database & Cloud technologies :	MongoDB, MySQL, Google Firebase, Firestore, AWS (S3, EC2, Elastic Beanstalk, CodePipeline)
Machine Learning & AI :	TensorFlow, PyTorch, Keras, scikit-learn, Pandas, Numpy, Matplotlib, OpenCV, NLTK, Predictive Modelling, Statistical Analysis, Gen AI
GPU & Parallel Computing :	CUDA, OpenCL
Development Tools & Platforms :	Git/GitHub, Linux/Unix OS, Visual Studio Code, Unity, Jupyter Notebook, Eclipse, Anaconda, Collab, Postman

PROJECTS

ChicMate – Multi-Modal Personalized Styling App React Native, FastAPI, Gemini API, CLIP, Firebase GitHub <ul style="list-style-type: none">• Built a cross-platform (Android/iOS), multi-modal mobile app that generates personalized outfit suggestions tailored to the user’s wardrobe.• Leveraged CLIP embeddings and vector similarity search to match wardrobe items with contextual inputs like text queries, image uploads, and weather data.• Integrated Gemini API for natural language reasoning and advanced image tagging to ensure context-aware, visually aligned recommendations, reducing outfit selection time by 80%.
MindShelf – A Personal Knowledge Library React, Nodejs, Google Gemini API, MongoDB Atlas, AWS EC2, S3 Live GitHub <ul style="list-style-type: none">• Shipped in under 24 hours at MLH AI Hackfest, MindShelf helps users capture and organise online content (articles, videos, threads etc.) into searchable “Mindfiles”.• Integrated Gemini API to auto-summarize content, extract keyword tags, and enable natural language search by topic, keyword, or timeframe.• Built a full-stack web app with a React Dashboard to view and manage saved content.• Also added a Chrome extension for one-click capture, delivering a scalable, AI-driven productivity tool from scratch in a single sprint.
LibBot – Conversational AI for Library Management Python, Flask, OpenAI GPT API, Google Sheets API, NLP, Function-calling GitHub <ul style="list-style-type: none">• Designed a natural language interface to automate library inventory tasks like book queries, updates, and availability checks.• Used OpenAI’s GPT API with function calling to convert user prompts into structured actions, and integrated Google Sheets as a dynamic backend.• Achieved 97% intent recognition accuracy, enabling intuitive real-time interactions and reducing manual management effort by 75%.
Task Manager App – Productivity Desktop Tool Java, JavaFX, SQLite, OOP, MVC Architecture <ul style="list-style-type: none">• Built a standalone desktop app to help users track, categorize, and prioritize daily tasks.• Designed a clean UI in JavaFX and implemented features like due dates, real-time search, and completion tracking.• Followed MVC architecture and OOP principles to ensure modularity, scalability, and maintainability, mirroring real-world application standards.

CERTIFICATES

[The Web Developer Bootcamp](#)

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

[Artificial Intelligence Training Program](#)

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