

Siddhant Kochhar

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EDUCATION

VIT Bhopal University

B.Tech (CSE - 6th sem)

Cumulative GPA: 8.78/10

Bhopal, Madhya Pradesh

CORE COMPETENCIES

Programming: Python, Pandas, Numpy, Matplotlib, FastAPI, Postman, HTML, Java

Databases/Cache: MongoDB, SQL, Redis

Cloud: AWS

Analytics: Power BI, Matplotlib, Seaborn

Tools: OpenAI APIs, MCP server, GitHub, Cursor, Microsoft Office, Excel, PowerPoint, Canva

Soft Skills: Leadership, Communication, Teamwork, Problem Solving, Analytical Skills, Learning Agility

INTERNSHIP

MagicPin (Hybrid)

May 2025 - June 2025

Gen AI Developer

- Developed a WhatsApp-based GenAI chatbot enabling users to search for food, fashion, etc.
- Integrated personalised food recommendation engine using user context and historical data
- Enhanced Magicpin's personal support bot with conversational AI capabilities
- Collaborated with tech and product teams to ensure scalable integration across key user workflows

PROJECTS

AI Tutor

Tech Stack – Python, FastAPI, MongoDB, OpenAI May 2024

- Developed an AI tutor that assesses user proficiency to generate personalized, adaptive responses using OpenAI APIs.
- Integrated a YouTube video summarizer, transforming lengthy video content into concise, structured notes.
- Implemented user authentication and session management to track learning progress.
- Designed scalable RESTful APIs using FastAPI for efficient backend management.
- Stored user interactions and learning history in MongoDB for personalized content generation.

Note-Taking App

Tech Stack – Python, FastAPI, MongoDB, Bootstrap January 2024

- Developed a note-taking application with CRUD APIs to practice and strengthen FastAPI skills.
- Integrated a clean Bootstrap frontend for user-friendly note management.
- Added search and tag-based filtering to enhance organization of notes.
- Implemented JWT-based user authentication and protected routes for secure note management.
- Designed and tested REST APIs to handle concurrent requests efficiently.

Diabetic Retinopathy with ML

Tech Stack – Python, Scikit-Learn, OpenCV November 2023

- Built a machine-learning model to identify early-stage diabetic retinopathy from retinal images.
- Applied image preprocessing techniques using OpenCV for noise reduction and feature extraction.
- Trained classification models using Scikit-Learn to detect DR with high sensitivity.
- Evaluated model performance using accuracy, precision, recall, and ROC curves.
- Explored interpretability using Grad-CAM for visual explanation of predictions.

CERTIFICATES

- AWS Academy Graduate - AWS Academy

2025

ACHIEVEMENTS

- Selected among top 500 students globally for the **Ericsson** Academic Training Program
- Awarded scholarship under Deen Dayal SPARSH Yojana by India Post

CO-CURRICULAR & EXTRACURRICULAR ACTIVITIES

- Competitive Programming - LeetCode, HackerRank
- Member, Google Developers Group