Dheeraj Verma

📞 +91 8957250428 • dheerajverma.cp@gmail.com dvcodebase   dheeraj-verma Codolio • HackerRank

Summary

BTech CSE (Micro-specialization in AI/ML) | Aspiring SDE | MERN Stack Developer and Data Analyst
Passionate CS undergrad with hands-on experience in MERN stack development, data analytics (SQL,Power BI, Excel), and machine learning.Proficient in DSA, problem-solving, and algorithm optimization, with a [LeetCode](#) rating of max.1425.Passionate about building scalable AI-driven applications and leveraging data insights for impactful solutions.Experience working with Linux(Ubuntu 22.04 LTS) environment and machine learning.Familiar with distributed systems,information retrieval, and TCP/IP. Actively exploring Generative AI, cloud deployment (AWS), and open-source contributions.Seeking a full-time SDE role to build scalable real-world systems.

Education

B.Tech in Computer Science

Jaypee University of Engineering and Technology, Guna, Madhya Pradesh	CGPA: 7.0 , 2022–2026
Class 12, Global Public School, Kota, Rajasthan	Percentage: 80.4 , 2020–2021
Class 10, Ajmani International School, Lakhimpur Kheri, Uttar Pradesh	Percentage: 89.6 , 2018–2019

Skills

Programming Languages: C/C++, JavaScript, Python, Java
Web Development: Mongoose.js, Express.js, React.js, Node.js, REST APIs, Tailwind CSS
Databases: MongoDB, MySQL, SQLite
Tools: Git, Docker, Postman, Visual Studio Code
CS Fundamentals: DSA, OOP, Operating Systems, Computer Networks, DBMS, Machine Learning, Introduction to NLP, Software Engineering

Projects

AI-Powered Abstractive Text Summarization Web App

Python | Flask | Hugging Face Transformers | BART | PDF/Text Processing | NLP

Developed a production-ready web application that generates concise, context-preserving summaries of long documents using Facebook's BART transformer model. The system supports .txt and .pdf uploads, automatically extracts and preprocesses content, and delivers abstractive summaries with high accuracy. Key contributions include:

- Integrated BART-large-cnn for state-of-the-art abstractive summarization via Hugging Face Transformers.
- Built a robust Flask-based UI allowing real-time file uploads and summary generation.
- Implemented PDF extraction pipeline using pdfplumber, supporting multilingual documents.
- Designed for potential use in information retrieval, news summarization, and enterprise knowledge management. [GitHub Repository](#)
  Next Phase : "Smart Notes: An Offline AI-powered PDF summarizer" A mobile app where users can upload PDF and AI automatically summarizes them offline.

BookFlare– MERN Auth App

- Designed and deployed a secure, full-stack book review app with bcrypt encryption, and session handling.
- Demonstrated understanding of REST APIs, state management, and front-end optimization using React.
- Developed with scalability in mind using Node.js non-blocking architecture. [Live](#)

Certifications

- Machine Learning Foundation – Infosys
- Scrum Fundamentals Certified
- Six Sigma Yellow Belt

Additional Information

- **Languages:** English (Fluent), Hindi (Fluent)
- **Soft Skills:** Analytical Thinking, Decision Making, Ambitious, Empathetic Listener
- **Technical Clubs:** Volunteered (RoSPinoT, VR AR MR, Botnet), former member of GDSC JUET, Published Articles on [Medium](#)