HIMANSHU UPADHYAY

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OBJECTIVE

Highly motivated and passionate undergraduate software engineer with hands-on internship experience in software development and problem-solving. Eager to apply my technical skills in programming, algorithms, and software design to contribute to a dynamic and innovative team. Dedicated to learning, adapting to new technologies, and continuously improving my coding proficiency. Seeking an opportunity to leverage my skills in software development to drive impactful solutions and grow professionally in a challenging and growth-oriented environment.

EDUCATION

B.tech: DIT University 2025
Relevant Coursework:. Computer Science Engineering

School: W.H. Smith Memorial School.

SKILLS

Programming Languages:	Python, Java and R
Databases:	NoSQL, SQL, Power BI
Data Science:	Deep Learning, Data Warehousing, Data Mining, BigData Analysis.
Version Control	Git and GitHub
UX/UI :	Canva, Figma, Adobe

EXPERIENCE

Full-stack Engineer Jan 2024 - April 2024
Readycoder Pvt. Ltd. *New Delhi.*

- Engineered and deployed dynamic web solutions, improving system efficiency by **90%**. .
- Developed and optimized back-end APIs to enhance performance and scalability.
- Collaborated with cross-functional teams to deliver responsive and user-friendly applications.
- Designed and managed robust database structures to ensure seamless data handling.
- Conducted A/B testing and performance optimization to enhance user engagement.

Data Analyst April 2024 - June 2024
Suvidha Foundation *WFH.*

- Conducted in-depth data analysis, improving decision-making efficiency by **97%**.
- Designed and implemented data warehousing solutions for streamlined data retrieval.
- Developed predictive models to support strategic business decisions.
- Automated data processing pipelines to improve operational efficiency.
- Provided actionable insights through comprehensive reports and dashboards.

PROJECTS

Live News Aggregation . Developed a **scalable backend architecture** for a real-time news aggregation platform that collects, processes, and presents news from multiple sources. Integrated **web scraping, APIs, and NLP-based text summarization** to filter and categorize news efficiently. Optimized database queries for high-speed retrieval, ensuring seamless user experience and real-time updates.

Diabetic Retinopathy Detection . Designed a **data-driven diagnostic system** leveraging **machine learning (SVM, KNN)** for early detection of diabetic retinopathy from retinal fundus images. Implemented **automated data collection and preprocessing pipelines**, improving model training efficiency. Applied **image processing and feature extraction techniques** to enhance prediction accuracy.