Karnati Ashwin

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About Me

- A highly motivated and detail-oriented Computer Science student passionate about **Software Development, Web Technologies, Machine Learning, Coding and AI**, constantly exploring new innovations.
- Experienced in **Full-Stack Development, Machine Learning, and AI**, with hands-on projects showcasing practical implementation.
- A quick learner with a problem-solving mindset, always eager to expand knowledge and contribute to cutting-edge technology.

Education

JNTUH University College of Engineering, Hyderabad
B.Tech in Computer Science and Engineering (2022-2026)
GPA: 9.34 (as of now)

Tech Stack

Programming Languages: C, Python, Java, HTML, CSS, JavaScript
Web Development: React.js, Next.js, Node.js, Express.js, Bootstrap, Tailwind CSS
Machine Learning & Data Science: NumPy, Pandas, Matplotlib, Seaborn
Databases: SQL, MySQL, MongoDB, Convex
Tools & Platforms: Git, VS Code, Google Colab

Projects

Web Development

- **AI PDF Note Taker** – Developed a web app to upload PDFs, extract text, and generate AI-powered notes and summaries with search functionality.
  Technologies: Next.js, Google Generative AI, Convex, Tailwind CSS
  GitHub: Link   **Demo:** Link
- **MPad** – Built a math problem-solving web app that allows drawing equations, uploading images, and viewing AI-calculated results.
  Technologies: Next.js, Google Generative AI, Tailwind CSS
  GitHub: Link   **Demo:** Link

Machine Learning

- **Diabetes Predictor** – Machine learning model that predicts diabetes risk with 89% accuracy using patient health metrics.
  Technologies: Python, Scikit-learn, Pandas, NumPy, Matplotlib
  GitHub: Link

For more projects, visit my Portfolio Website.

Certifications

- **Python Foundation Certification** – Infosys Springboard

Honors & Awards

- **NTSE Rank 14 (Round-1) (2019)**
- **TS EAMCET Rank 794 (2022)**