Abhijith P

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TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), HTML, CSS
Libraries & Frameworks: React, Node.js, Express.js, Tailwind CSS, Pandas, NumPy, Matplotlib
Developer Tools: Git, GitHub, Postman, Vercel

PROJECTS

Full-Stack Web App: AI Career Coach | *Next.js, React, Node.js, Prisma, Groq, Tailwind CSS*　　Link
- Built a full-stack career guidance platform offering resume analysis, AI-generated cover letters, interview prep, and industry insights.
- Implemented secure authentication with Clerk and managed relational data using Prisma ORM with Neon DB (PostgreSQL).
- Integrated Groq (via the OpenAI SDK) for AI-powered features after debugging version conflicts and adapting deprecated APIs.
- Developed a responsive UI with Tailwind CSS and Shadcn/UI, ensuring accessibility and seamless user experience.

Spotify Clone | *HTML, CSS, GitHub Pages*　　Link
- Recreated Spotify's three-column layout with sidebar navigation, grid-based content, and a sticky bottom music player.
- Utilized semantic HTML5 and CSS Flexbox for accessibility and responsiveness.
- Automated deployment with GitHub Pages, enabling live updates on each push in under one minute.
- Implemented theme control via 5 CSS variables, allowing instant color scheme customization.

Halo CME Detection Pipeline | *Python, Pandas, Matplotlib, Flask*　　Link
- Built a Python data pipeline to process solar wind telemetry from ISRO's Aditya-L1 mission, handling multiple scientific data formats.
- Applied rolling mean smoothing and baseline calibration to stabilize noisy signals.
- Designed an anomaly detection method achieving >90% recall and <10% false alarms, benchmarked against the CACTus CME catalog.
- Created a configurable script for analysts to adjust detection parameters for event-specific analysis.

EXPERIENCE

Data Analyst Trainee　　July 2025
MedTourEasy
- Completed a data analytics traineeship, strengthening skills in Python, statistical analysis, and data visualization while collaborating with peers in a team-based learning environment.
- Finished a capstone project analyzing demographic datasets, applying hypothesis testing and probability methods, and coordinating tasks within a small group to ensure timely delivery.
- Presented findings to mentors and peers, demonstrating strong communication skills by explaining complex statistical insights clearly and effectively.

CERTIFICATIONS

- Programming with JavaScript, Meta (via Coursera), 2025
- Google Data Analytics Professional Certificate, Coursera, 2025
- IBM Professional Certificate in Python for Data Science, AI & Development, Coursera, 2024
- Affective Computing (Elite Certificate), NPTEL, 2025
- Oracle Cloud Infrastructure 2023 AI Certified Foundations Associate, Oracle University, 2024

EDUCATION

JCT College of Engineering and Technology　　Coimbatore, TN
Bachelor of Engineering (Honours) in Computer Science: 84.6%　　*Nov. 2022 – May 2026*

Bhavan's Vidya Mandir, Chithali　　Palakkad, KL
PCMB (Physics, Chemistry, Mathematics, Biology): 83.8%　　*June 2021 – July 2022*