

RAJESH PURELLA

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PROFILE SUMMARY

Full-stack developer proficient in React.js, Node.js, MongoDB & Python; shipped production dashboards with real-time data, REST APIs, ML forecasts and cloud deployment. Passionate about building scalable, AI-ready web apps.

PROFESSIONAL EXPERIENCE

Full Stack Developer – AITAR Pvt. Ltd., Hyderabad

Aug 2024 – Present

- **SEED, ArtiGrow**
- Developed a Solar & Weather Forecasting Dashboard to display real time climate and solar data.
- Built the frontend using React.js, Bootstrap, and Chart.js, ensuring responsive and interactive visualizations.
- Created backend APIs with Node.js and Express.js to fetch, clean, and process weather datasets.
- Implemented MongoDB for storing daily records with full CRUD functionality.
- Integrated company's ML model outputs into the dashboard for solar energy predictions.
- Deployed the application on Netlify & Render, making it accessible for internal teams.

TECHNICAL SKILLS

- Frontend: React.js, JavaScript (ES6+), HTML, CSS, Bootstrap, Tailwind CSS
- Backend: Node.js, Express.js, Django, Python
- Databases: SQL, SQLite, MongoDB
- Tools: Git, GitHub, Linux

ACADEMIC PROJECTS

- **1. Early Detection of Skin Diseases**
- Built a CNN-based model to detect and classify skin anomalies from images.
- Implemented ML techniques for early diagnosis of dermatological conditions.
- Tech Stack: CNN, Scikit-learn, Django, SQLite, Git
- **2. E-Tailing Shopping Platform**
- Developed a fully functional online store using Django and XAMPP.
- Designed a responsive UI with secure authentication and CRUD functionality.
- Tech Stack: Django, XAMPP, HTML, CSS, JavaScript.

EDUCATION

Institute of Aeronautical Engineering - Hyderabad

- B. Tech in Computer Science and Engineering, CGPA - 7.15.

Sep 2021 – June 2024

CERTIFICATIONS

- Programming in Java – NPTEL (Nov 2022)
- Python Certification – Hacker Rank (Feb 2023)
- TCS iON Career Edge – Young Professional program by Tata Consultancy Services