Tejas Raskar

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EDUCATION

Vishwakarma Institute of Information Technology   *Pune, India*| **2022 - Present**
Bachelor of Artificial Intelligence & Data Science

- Cumulative GPA**:** 8.87
- Relevant Coursework: *Data Structures, Database Management Systems, Operating Systems*

SKILLS & CERTIFICATIONS

- React.js | Node.js | Express.js | Hono | JavaScript | TypeScript| TailwindCSS | Python
- PostgreSQL | Appwrite | MongoDB
- Git | GitHub | Linux | Docker | Power BI | Tableau
- Certified in Data Visualizations using Python & Seaborn by Google Developer Student Club.
- Certified in Python Fundamentals by IIT Kharagpur in association with Wisdom Eye.
- Certified in Supervised Machine Learning: Regression and Classification by Stanford Online

PROJECTS

SolarBIPV | *React.js | JavaScript | Three.js | 3D Graphics*   *Live* | *GitHub*

- Developed a web application to **calculate solar potential on building rooftops** based on user-defined date and time.
- Implemented algorithms to **identify rooftop areas** using 3D mesh analysis, **calculate sun position** dynamically, and determine shading using **ray casting techniques**.
- Developed an algorithm to calculate BIPV values by assessing the sun's exposure on rooftops.
- Enhanced user experience with **interactive 3D city model**, **dynamic sky** environments, and intuitive controls for seamless user interaction.

Bllog | *React.js | TypeScript | Node.js | Hono | Prisma | Cloudflare Workers*   *Live* | *GitHub*

- Developed a simplified, AI-powered blogging application focusing on user's ease of use.
- Implemented a Tiptap-based **rich text editor with Markdown & WYSIWYG support**, auto table of contents, and **drag & drop image upload**.
- Integrated **Gemini API** for **AI-driven title generation, blog summarization, and content rewriting.**
- Launched on **Peerlist Launchpad** to gather **user feedback** and drive application improvements.

WhatsApp Messaging in Appwrite Functions | *Dart | APIs | JWT*   *GitHub*
Opensource Contribution

- Developed a Dart function integrating Vonage API for WhatsApp messaging with Appwrite Functions
- Implemented **JWT verification** and **Payload Hashing** for secure connection.
- Successfully **tested and documented the function**, including a video demonstration.

EXTRACURRICULAR ACTIVITIES

- **First Runner up** in Data Visualization Hackathon with 50+ teams.
- Made **290+ opensource contributions** (including personal projects) in projects like **Fiberplane, Appwrite, RazorPay**
- Curated Technical Content on a **Blog Visited by Readers from 35+ Countries**