

# VINAYAK SABU

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## OBJECTIVE

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Aspiring technology professional blending electrical engineering with data science. Passionate about using technology to solve real-world problems through data, design, and innovation. Skilled in programming languages, Enthusiastic team player with very good inter- personal skills, time management, and problem-solving expertise.

## EDUCATION

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- B.Tech in Electrical and Electronics Engineering,  
APJ Abdul Kalam Technological University Expected 2028
- Bachelor of Science: Data Science and Applications,  
Indian Institute of Technology-Madras Expected 2029
- Higher Secondary,  
SMV Higher Secondary School 2023

## TECHNICAL SKILLS

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- Programming: C, C++, Python, JavaScript
- Data Science: Pandas, NumPy, Matplotlib, Scikit-learn, SQL
- Analytics Tools: Google Analytics, Firebase
- Web Technologies: WordPress, SEO
- Design & Media: Adobe Photoshop, After Effects, DaVinci Resolve, CapCut
- Soft Skills: Project Management, Teamwork, Leadership, Critical Thinking

## PROJECTS

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- Smart Energy Analytics (Personal Project)
  - Developed a data pipeline to analyze household energy consumption using Python and Tableau, focusing on consumption forecasting and smart energy recommendations.
- Dopamap Social Media Strategy (Eldopas LLC)
  - Created and implemented a data-driven social media strategy that increased app engagement by 25% through Instagram analytics, creative storytelling, and content design.
- NASA Space Apps Challenge - Climate Storytelling
  - Led a hackathon project connecting the 2018 Kerala floods to climate change via data visualization, recognized at the NASA Space Apps Challenge.
- Eldopas Company Website Development
  - Revamped the Eldopas website using WordPress and SEO best practices, resulting in a 30% boost in visitor traffic and enhanced user experience.
- FEUGO-15 Vehicle Design and Fabrication
  - Currently part of a team to design and build a petrol-engine-powered vehicle. The project aims to inspire fellow students by demonstrating practical vehicle fabrication, mechanical design, and teamwork in action.

## AWARDS & COMPETITIONS

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- Global Rank 146, AIR 20, University Rank 1 – IEEE Xtreme 3.0 Coding Challenge (2024)
  - Achieved global rank 146 and AIR 20 among thousands of participants in the prestigious IEEE Xtreme 3.0, securing the university's first place by solving complex algorithmic problems under tight deadlines.
- Recognition – NASA Space Apps Challenge (2024)
  - Awarded for innovative storytelling in the 'Tell Us a Climate Story!' challenge.

## EXPERIENCE

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- Web Designer & Social Media Associate, Eldopas LLC, Remote (Jan 2024 – Present)
  - Managed web development and social media strategies, driving user engagement and brand growth.
  - Designed content calendars, created reels, and improved SEO performance.
  - Collaborated with product and marketing teams to align strategies.

## LEADERSHIP & VOLUNTEERING

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- Secretary, IEEE PES Student Branch Chapter, GEC Idukki
  - Elected Secretary managing events, workshops, and student initiatives, actively promoting power and energy engineering awareness.
- Design Team Lead, SAE Execom, GEC Idukki
  - Leading the design team for SAE India activities, overseeing creative strategy, promotional designs, and event branding.
- Design Team Lead, EEE Association, GEC Idukki
  - Head of the design and creative communications team, responsible for organizing technical events and enhancing student engagement through visual storytelling.
- Volunteer, UWR India Roboverse 2024
  - Volunteered for the prestigious Roboverse 2024 by UWR India, supporting event coordination and technical operations.
- Hostel Representative, GEC Idukki
  - Elected student representative handling student welfare, grievance redressal, and hostel management coordination.

## EXTRA-CURRICULAR ACTIVITIES

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- Content Creation & Digital Storytelling
  - Passionate about creating engaging content including reels, videos, and posters using tools like CapCut, Adobe Premiere Pro, and DaVinci Resolve. Manage personal and group pages, consistently experimenting with trends, analytics, and visual storytelling to build audiences on Instagram and YouTube.
- Cinephile & Visual Storytelling Enthusiast
  - Actively explore and analyze films across genres and eras, studying cinematography, storytelling, editing styles, and direction techniques. Use these insights to fuel creativity in personal projects and visual content strategies.

- Poster & Creative Design for Student Events
  - Regularly design posters, event promotions, and social media creatives for college associations and clubs, blending creativity with technical skills to drive participation and engagement.
- Event Coordination & Campus Engagement
  - Play an active role in organizing and promoting college-level technical and cultural events, ensuring seamless event branding, promotions, and student outreach through creative media.