

Manasvi Bathula

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Education

Indian Institute of Technology, Roorkee

Nov'21 – May'25

Bachelor of Engineering in Electronics and Communication (ECE) — CGPA: 5.8

The Hyderabad Public School, Begumpet

May'09 – Jun'21

Intermediate: 96.5% Matriculate: 90.8%

Technical Skills

Languages: Python, JavaScript(ES6+), HTML5, CSS3, SQL

Developer Tools: VS Code, Git, Docker, Jupyter Notebook

Technologies/Frameworks: React.js, FastAPI, TailwindCSS, MongoDB, MS Excel, Power BI

Experience

Prakruthi Ventures

May'24 – Jul'24

Data Analyst Intern

- Cleaned and transformed large-scale raw datasets using **Power Query**, streamlining workflows and reporting processes
- Built interactive dashboards with **Power BI** and **MS Excel** to visualize KPIs, and monitor evolving data trends
- Applied **advanced forecasting and smoothing techniques** to time-series data, enabling informed decisions

GP Solutions

Feb'23 – Mar'23

Graphic Design Intern

- **Managed the complete design lifecycle**, from concept ideation to delivery, ensuring consistent brand alignment
- Collaborated with over three diverse clients to create visual assets, aligning with business goals and brand identity
- Produced high-impact graphics across platforms, directly contributing to **increased user engagement**, and visibility

Projects

ECG Acquisition System | *Embedded Systems, Microprocessors, Python, Signal Processing*

Aug'24 – May'25

- Designed and implemented a low-cost electrocardiogram (ECG) acquisition system using the AD8232 and MAX30100 sensors, enabling **real-time, accurate heartbeat monitoring** and data logging using **C++** and **Arduino IDE**
- Developed robust **signal processing algorithms** for ECG waveform filtering, noise reduction, smoothing and peak detection in **Python** to enable early identification of cardiovascular anomalies in resource-constrained settings
- **Shortlisted for the Best B.Tech Project Award** and **CBDE Innovation Award**, in recognition of the project's technical innovation, and its potential for meaningful **societal impact** in early cardiovascular disease detection

FeedLoop | *React.js, Python, FastAPI, TailwindCSS, MongoDB, Docker*

Jan'24 – Jun'24

- Developed a **full-stack feedback management platform** for teams, empowering managers and employees to seamlessly exchange, request, and monitor feedback to foster continuous growth and transparent communication
- Designed scalable backend APIs with **FastAPI**, integrated **MongoDB**, and containerized with **Docker**
- Built a responsive frontend using **React.js** and **TailwindCSS** with dashboard features and smooth animations
- Implemented features such as user authentication, feedback workflows, and role-based access control

Leadership / Extracurricular

Design Head

Mar'22 – May'23

Watch Out! News Agency

- Led the design team at Watch Out!, creating editorial and visual content for a campus audience of 8000+ students
- Collaborated on campus journalism, interviews, and surveys, strengthening communication and storytelling skills
- Designed layouts and branding for print magazines and digital stories, maintaining a cohesive visual identity

Student Member

Feb'23 – May'25

Committee for Campus Fauna

- Raised 5+ lakhs through events at college fests like Cognizance, E-Summit, and Thomso to fund animal care initiatives
- Coordinated 20+ volunteers as part of CCF to ensure the welfare of 150+ campus animals year-round
- Promoted sustainable coexistence on campus by organizing outreach, welfare drives, and awareness campaigns