PRANAY JALAN
Mumbai 400057, Maharashtra
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Education

Birla Institute Of Technology and Science, Pilani   June 2022 - Present
B.E. Electronics and Instrumentation (Expected Graduation 2026)   *CGPA: 7.39 (Ongoing)*
Class 12th Vidyanidhi Jr College Of Science (87.17%)   2021/2022
Class 10th Shree Chandulal Nanavati VinayMandir (92.33%)   2019/2020

Relevant Coursework

- Data Structures and Algorithms
- Object Oriented Programming
- Database Management System
- Microprocessors and Interfacing
- Microelectronic Circuits
- Digital Design

Technical Skills   ⌂ GitHub ⌂ Leetcode ⌂ Codeforces

- **Languages:** C, C++, JavaScript
- **Frameworks:** Bootstrap, ReactJS, Redux
- **Developer Tools:** GitHub, VS Code, Firebase, Vercel
- **Databases:** MongoDB, Google Cloud Platform
- **Others:** Figma, Adobe Photoshop, MS Excel

Experience

Pacify Medical Technologies Pvt Ltd   May 2024 - July 2024
Software Engineer Intern   *Mumbai, Maharashtra*

- Reverse-engineered a PCB using Autodesk Fusion 360 and Eagle — optimized component arrangement, routing, and layer stacking for maximal space efficiency and performance.
- Developed a web-application using ReactJS that processes wound images to calculate burn areas.
- Integrated a pre-trained Mask RCNN machine-learning model into the backend server using Flask and Google Cloud to perform the analysis.

Projects

Wound Area Estimator |*ReactJS, Python, GCloud, GitHub*
- Designed and implemented a chat-style user interface using front-end technologies for an intuitive user experience .
- Integrated a pre-trained machine learning model to get the estimated burn wound area.

BITS Blockchain Club Website | *CSS, ReactJS, GitHub, Vercel*
- Created a responsive website for the BITS Blockchain Club, significantly boosting user engagement and registrations for upcoming hackathons.
- Leveraged GitHub for version control to facilitate efficient collaboration and streamline code management.
- Deployed the site on Vercel for optimal performance and seamless continuous integration.

Leadership / Extracurricular

BITS Blockchain Club   May 2024 - Present
Design & Partnerships Lead   *BITS Pilani*

- Established a website for the club which will improve the engagement and participant registrations in upcoming events.
- Will be organizing the BITS Blockchain Week (A Blockchain Hackathon) which will see a footfall of around 5000 participants