

PRANSHU GUPTA

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EDUCATION

BMS College Of Engineering

B.tech in ECE, CGPA: 8.1/10

2021-2025

Bangalore, India

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, SQL

Frameworks: Django, Flask, Tailwind, Express.js

Database: MongoDB, PostgreSQL

Libraries: React.js, Bootstrap, Web3.js, OpenCV, Matplotlib, Numpy, Pandas

Tools/Technologies: Linux, Github, Docker, Vagrant, Bash Scripting, AWS, Pytest

WORK EXPERIENCE

R&D Intern, CodSoft

Nov 2023 - Dec 2023

- Research and contribution in development of an NLP-based survey system, enhancing data analysis capabilities for improved insights.
- Developed a platform similar to Kaggle, featuring real-life datasets for collaborative data projects.

ML Intern, LGM

June 2023-Aug 2023

- Developed an OCR module using OpenCV and Pytesseract to accurately extract medical report details, with a specific focus on extracting tabular data directly to a CSV.
- Created a Flask API that accepts images as input and returns the extracted data in JSON format.
- Deployed the FlaskAPI in AWS server.

Full Stack Developer, Telusko

Nov 2022-Apr 2023

- Worked on a decentralized quiz app revolutionizing gaming with secure ether transactions and fair competition.
- Developed a custom Etherscan clone for faster data retrieval from database, enhancing efficiency compared to traditional node-based approaches.

PROJECTS

CareConnect

- This is an extension which offers support by monitoring user activity for signs of emotional distress like depression or suicidal thoughts.
- Utilized **React.js** and **Google Dialog Flow** to create an interactive chatbot.
- Leveraged **Flask API** to seamlessly connect the **NLP model** with the front end, enabling efficient interaction between the chatbot and users.

BookWise

- Created an NGO-oriented library system with personalized book recommendations using **React.js**, **Node.js**, **MongoDB** and a **ML recommendation system**.
- Enhanced user experience through efficient cataloging and seamless Dashboard integration with **Material UI**.

SecureProX

- This is an extension which provides real-time alerts about potential phishing or malware sites, empowering users to make safe browsing choices and offers visibility into ad density on linked sites
- The technology stack includes **Flask API**, a **Random Forest Classifier model**, **manifest JSON** and **Vanilla JS** for frontend.

Academic and Extracurricular Achievements

- Winner** of national level **Mega-Hackathon** organized by Big Foundation.
- Winner** of **TECHNOGENESIS Ideathon** organized by GDSC x The Melton Foundation.
- Secured **Global Rank 25 , 26** in CodeChef weekly contest.
- Currently rated as **3-Star** coder on **Codechef**.
- Published research paper on '**Blockchain-Based Risk Management and Transparency in Loan Disbursements**' in IEEE Xplore.