GUL BHATNAGAR

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SKILLS

Programming Languages: Java, Python, C++, HTML, CSS, javascript
Web development: Frontend: (HTML, CSS, JS, React.js), Backend (Flask, Node.js +Express), MongoDB
Tools: VS Code, Git & GitHub, SQLite, Postman, MongoDB Compass
Frameworks/Libraries: Flask, Scikit-learn, Pandas, NumPy, Matplotlib, React.js,Express.js, Node.js.

Non-Technical Skills: Business Analysis and Requirements Gathering, Stakeholder Management, Change Management, Process Improvement, Data Architecture and Mapping, Technical Communication

PROJECTS

AI-POWERED PERSONALIZED STUDY ASSISTANT   Dec 2024-Jan 2025

- Developed a web-based AI assistant used by **50+ students**, generating study plans customized to user inputs.
- Integrated OpenAI's GPT model to respond to **100+ academic queries** per session via Flask backend.
- Designed a user interface and stored personalized data for **100+ sessions** using SQLite.
- Devised robust file-handling mechanisms and intuitive routing functionality.

FairFare- A SPLITWISE CLONE (MERN STACK)   May 2025

- Built and deployed a full-stack expense-sharing app with **100% responsiveness**, enabling user registration, group creation, and bill splitting.
- Developed **15+ RESTful APIs** using Node.js, Express, and MongoDB.
- Frontend built using React and Axios; deployed both frontend/backend on Render with **zero downtime in testing phase**.
- Handled **CORS issues** and integrated environment variables for secure API access.

AI-Mitra- MULTILINGUAL WOMEN'S HEALTH AND WELLNESS CO-PILOT   June 2025

- Built an AI chatbot offering health guidance to **200+ users** in **5+ Indian languages**, with multilingual NLP.
- Integrated **3 ML models** for symptom classification (PCOS, PMS, anemia) and emotion detection with an accuracy of **85%+**.
- Used GPT-4 to generate personalized health education responses and handle **real-time chats with 90%+ accuracy**.
- Backend handled **concurrent 30+ user sessions** via FastAPI; responsive chat frontend built with React.

EXPERIENCE

Full Stack Developer Intern   Jun 2025-Oct 2025
Karvatech Solutions.(Remote)

- Developed **3+ scalable web applications** using the MERN stack (MongoDB, Express, React, Node.js).Collected data from various data sources increasing data volume by 30%
- Built and integrated **10+ RESTful APIs**, managed **5+ dynamic UI components** using React, and handled backend logic with Node.js.
- Collaborated with a team of **5 developers** on live client projects and followed agile sprints with **bi-weekly deliverables**.
- Gained practical exposure to **version control (Git)**, **deployment pipelines**, and **manual testing of 20+ features**.

Machine Learning Intern   Nov 2024-Jan 2025
smartData Enterprises,(Remote)

- Developed and tested **5 machine learning models** for diverse business use-cases using Python and Scikit-learn.
- Performed data preprocessing and model tuning on **100K+ data rows**, improving accuracy by **12–18%** across iterations.
- Collaborated with **3 data scientists** to analyze real-world datasets and enhance debugging workflows for **5+ projects**.

EDUCATION

Vellore Institute of Technology   Jun 2022 - Jun 2026
Bachelor of Engineering in Computer Science : **GPA: 8.20/10**

Relevant Coursework: Operating Systems,Computer Networks,OOPS,DataScience, Machine Learning,Database Management Systems

CERTIFICATIONS

AWS Cloud Practitioner || AWS	Jan 2024
Machine Learning Specialization || Stanford online	Ded 2024
Google Data Analysis Professional Certificate || COURSERA	Jun 2024
Data Analyst Certification || EXCELR	Jan 2024
Programming with Javascript || COURSERA	Jun 2023
HTML, CSS, and Javascript for Web Developers || COURSERA	Feb 2023
Advanced DSA using C++ || IamNeo	May 2024