SAUMYA LADDHA

Software Developer| Full-Stack Developer | AI/ML Enthusiast

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Education Background

Rajiv Gandhi Institute of Petroleum Technology   2021-2025

A INSTITUTE OF NATIONAL IMPORTANCE

Bachelor of Technology in **Computer Science and Engineering**

GPA:8.07

St Stevens Higher Secondary School
            2019-2020

M.P Board of Secondary Education
 Percentage-87%

Shri Guru Tech Bahadur Academy
            2005-2018

CBSE Percentage-94%

Technical Skills

Languages:
- C/C++, JavaScript, Python, PHP, TypeScript

Tools and Software:
- React.js, Node.js, MySQL, MongoDB,NLTK, TensorFlow, PyTorch, and sci-kit-learn,Jupyter Notebook, pandas, and Tableau, OpenCV,cloud services (AWS, Azure) and RESTful API,MATLAB

Areas of Study:
- Data Structures, Algorithms, Database Management, Full Stack Development, Object-Oriented Programming, Computer Networks, AI/ML (Artificial Intelligence/Machine Learning), Computer Graphics, Data Analysis, Cloud Computing (AWS, Azure), and Natural Language Processing (NLP)

Positions and Volunteering

- **Dedicated Volunteer**: Passionately teach underprivileged students in Amethi and nearby areas.
- **Editorial Head**: Lead RGIPT-IEEE student chapter, driving innovative editorial content.
- **Mess Committee Member**: Ensure top-notch food quality for a satisfying dining experience.
- **Film & Media Club Member**: Actively participate in creating captivating content.

ABOUT ME

Aspiring SDE intern with a solid foundation in full-stack development, proficiency in front-end and back-end technologies, and a keen interest in AI/ML and cloud technologies. Experienced in NLP applications and cloud platforms such as AWS and Azure. Eager to contribute technical expertise, coding passion, and apply skills to real-world projects during the internship, bridging the realms of software development, AI/ML, and cloud computing

Projects

End to End Text Summarisation   🔗 OCT 2023

Mentor: Dr. Gargi Srivastava

Objective: A quick summarization tool is needed to combat information overload and save time by extracting meaningful insights from extensive text.
Technologies: utilized **Hugging Face's Dailymail/CNN, Transformer**, and Pegasus for text data, and developed a dynamic summarization pipeline with advanced tokenization, stemming, and embeddings, evaluating its effectiveness using Rouge scores..
Impact: The tool enhances language understanding for effective summarization, providing valuable insights and saving users time by providing concise summaries.

Portfolio Website   ((•)) 🔗 AUG 2023

Objective: The challenge lies in creating a dynamic portfolio that combines security, and seamless communication, despite traditional methods potentially lacking essential features for optimal user experience.
Technologies: Utilize **Next.js**, **Tailwind CSS**, and the **Resend AP**I to create a secure, feature-rich portfolio with a user-centric design.
Impact: The technology stack enhances web presence with a secure, dynamic portfolio, optimized user experiences, and **Vercel** deployment, showcasing skills and achievements effectively.

E-commerce Shipping prediction   🔗 JULY 2023

Objective: The objective is to improve product delivery on time and operational efficiency within the logistics framework, addressing challenges such as delivery delays and operational inefficiencies.
Technologies: We utilized advanced data analytics techniques, specifically **Random Forest** and **Gradient Boosting** algorithms, to develop a predictive model for logistics optimization using a 10,999 observation dataset.
Impact: The predictive model enhances supply chain operations, resulting in on-time deliveries, improved operational efficiency, and enhanced customer satisfaction, thereby addressing logistics challenges.

E-Commerce Website using MERN Stack   🔗 JUNE 2023

Objective: The challenge lies in improving user engagement on e-commerce platforms, addressing issues like transaction security, intuitive interfaces, and efficient product catalog management
Technologies: Develop with the **MERN stack (MongoDB, Express.js, React, Node.js**) for a robust and efficient foundation.
Impact: Ensure transaction security, improving user satisfaction with intuitive interfaces and efficient product catalog management for a seamless e-commerce experience.

AI Based Virtual Assistant   🔗 MAY 2023

Mentor: Dr. Susham Biswas

Objective: Visually impaired individuals face difficulties in accessing information and navigating their surroundings due to a lack of essential tools and user-friendly mobile device interfaces.
Technologies: Use advanced AI features like **face recognition** and **text-to-speech** on a mobile-responsive website.
Impact: The virtual assistant enhances the lives of visually impaired individuals by providing social interaction tools, mobility, and digital content access through mobile-responsive design.

Restaurant Based Management System   🔗 DEC 2022
Mentor: Dr. Gargi Srivastava

Objective: Provide a user-friendly online ordering experience for our diverse menu.
Technologies: Utilize **XAMPP server**, **PHP**, HTML, CSS, and MySQL for a dynamic and responsive platform.
Impact: Simplify the ordering process, allowing users to easily select dishes and complete orders with just a few clicks for an efficient and enjoyable experience.