Saivya Singh

☎ +91 85840 70725 | 📧 saivya1@gmail.com | Saivya1/Projects | linkedin/saivyasingh | References

EDUCATION

B. Tech in Computer Science & Engineering	Manipal Institute of Technology, Manipal	2026(Expected)
STD X & STD XII	Birla High School, Kolkata	2020-2022

SKILLS

- **Languages :** C / C++ , Java , Python , JavaScript , SQL , PLSQL , Verilog , Assembly , Embedded C (LPC1768)
- **Developer Tools :** Git
- **Libraries:** NumPy , Pandas , Matplotlib , OpenMPI , CUDA
- **Frameworks :** ReactJS , NodeJS , Flask , ElectronJS

WORK EXPERIENCE

- **Full-Stack Developer**
  At TheBoochieStore.com, an eCommerce platform offering a curated collection of unique, high-quality tshirts, I worked as a full-stack developer. In this role, I took full ownership of the website's development, from initial design to final deployment. I independently created a highly intuitive, aesthetically pleasing, and fully responsive website, ensuring that the user experience was seamless across various devices. Through thoughtful design and development, I enhanced site navigation, optimized page load times, and introduced key features that provided a smooth and enjoyable shopping experience for customers. These improvements played a significant role in increasing customer engagement, driving a 20% boost in sales, and elevating overall customer satisfaction. My work directly contributed to the store's growth and success, offering a compelling, user-centred online shopping experience.

PROJECTS

- **Advanced Gallery Application**
  Developed an advanced gallery app using BLIP for image captioning and Tesseract for OCR. Integrated a robust file management system with efficient search and retrieval. Built a dynamic JavaScript/CSS frontend with a Flask backend, demonstrating full-stack and AI expertise.
- **Sales Prediction System**
  Developed a sales prediction system using CSV data and Upgini, achieving highly accurate forecasts while showcasing data analysis and predictive modelling skills.
- **eCommerce Management System**
  Designed a full-stack eCommerce system with MySQL for back-end and HTML & CSS for front-end, showcasing skills in database management and web application development.
- **Clock with Alarm on LPC1768**
  Built a clock with alarm functionality and buzzer integration on an LPC1768 microcontroller, demonstrating embedded systems and hardware programming expertise.

ACHIEVEMENTS AND CERTIFICATIONS

- Achieved a rank of 881 in the Manipal Entrance Test (MET)
- Successfully completed courses on Coursera offered by top companies like Google and DeepLearning.AI
- Earned certifications on HackerRank, validating proficiency in various technical and problem solving skills.
- Led teams in prestigious hackathons, including Hacksplosion Think-a-thon and Creathon.