Abhishek Kumar Sinha

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LinkedIn | GitHub

Bengaluru, Karnataka - 560060, India

Objective

Seeking a challenging position in cybersecurity and web development to leverage my expertise in secure systems design, full-stack development, and problem-solving. Passionate about contributing to innovative projects at the intersection of cybersecurity, AI/ML, and user-centric solutions, while also exploring applications in financial technology to drive impactful advancements in digital safety, finance, and emerging technologies.

Education

- **JSS Academy of Technical Education** — *December, 2022 - Present*
  Bachelor of Engineering in Information Science and Engineering — Bengaluru, Karnataka
  ◦ CGPA 7.80/10 (Upto 5th Sem)
- **S.T.S.V International School** — *2018-2020*
  CBSE (Class XII) — Ara, Bihar
- **Oak Grove School(Boarding School)** — *2017-2018*
  CBSE (Class X) — Mussoorie, Uttarakhand

Skills

- **Programming Languages:** C,Java, Python
- **Web Technologies:** HTML, CSS, JavaScript, Node.js
- **Database Systems:** SQL
- **Version Control:** Git, GitHub
- **Data Visualization Tools:** Tableau, PowerBI
- **Other Tools & Technologies:** Firebase, Replit, Linux, Figma

Projects

Brain Tumor Detection using ResNet101 — *July, 2024 - September, 2024*
Tools: Python, TensorFlow, Keras, Matplotlib, NumPy

- Developed a deep learning-based brain tumor detection system using the ResNet101 architecture for classifying MRI images into four categories: pituitary tumor, no tumor, meningioma tumor, and glioma tumor.
- Implemented data preprocessing techniques, including normalization and augmentation, to enhance the quality and diversity of the training dataset.
- Utilized transfer learning by fine-tuning the pre-trained ResNet101 model on the brain tumor dataset, reducing training time and improving performance.
- Trained the model and evaluated its performance using metrics such as accuracy, precision, recall, and F1 score, achieving high classification accuracy.
- Implemented a prediction module to classify new MRI images and provide confidence scores for the predicted tumor categories, demonstrating the system's practical applicability.

Loan-web-app — *March 2025*
Tools: HTML5, CSS3, JavaScript

- Developed a comprehensive web platform enabling users to compare interest rates across various loan types and access detailed documentation requirements, centralizing all information for enhanced user convenience.
- Engineered a responsive, single-page application (SPA) featuring seamless fade-right transitions, ensuring an intuitive and modern user interface across devices.
- Integrated a dedicated module for education loan subsidies, allowing users to retrieve state-specific schemes tailored to their family's annual income, thereby facilitating informed financial decisions.

Certifications

- **Google & Coursera:** Cybersecurity Specialization — *October, 2024*
- **Google & Coursera:** AI Essentials — *November, 2024*
- **Infosys Springboard:** Computer Network & Internet Security: — *December, 2024*