TOUSIF NAWAZ

Software Developer

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CodeChef | Linkedin | GitHub | HackerRank

EDUCATION

Presidency University   Karnataka,India.
Degree in Bachelor of Technology in Computer Science   June 2022 - July 2026
CGPA: 7.8

SKILLS

Programming Languages:	Java, Python, JavaScript, CSS, HTML, SQL
Libraries/Frameworks:	Node.js, Express.js, React.js, numpy, pandas, scikit-learn, PyTorch, matplotlib, TensorFlow / Keras, OpenCV, Hugging Face Transformers
Tools / Platforms:	Git, VS Code, GitHub, Google Colab, Docker, Postman, Vercel, AWS
Databases:	MongoDb, MySQL, Mongoose, Redis

PROJECTS / OPEN-SOURCE

AI-Powered Expense Tracker | Link   *React.js, Node.js, Express, MongoDB, Chart.js, Python (AI/ML Modules), REST APIs, Local Storage, CSS, HTML*
- Developed a full-stack expense management app that tracks daily expenses and provides smart AI-driven insights to help users optimize their spending.
- Integrated real-time charts and predictive analytics to visualize and forecast financial trends.
- Implemented personalized budget alerts to notify users when nearing spending limits, enhancing financial control.

GuardianPulse_X | Link   *React Native, Expo, TensorFlow Lite, Node.js, Express.js, WebSocket, Twilio API, DSP, SQLite, AWS EC2, Git*
- Developed GuardianPulse_X, a cutting-edge mobile application providing real-time personal safety using AI-powered emotion detection and facial recognition.
- Implemented shout-triggered SOS alerts and automated SMS notifications for immediate emergency response.
- Engineered a robust backend with seamless integration of machine learning and adaptive audio processing to ensure reliability in critical moments.
- Delivered a user-centric, high-performance mobile experience, empowering users with precise and actionable safety features.

FruitGuard (Plant Disease Detection) | Link *Python, TensorFlow, Keras, OpenCV, Flask, .tflite model deployment, HTML, CSS, JavaScript*
- Developed FruitGuard, an AI-powered system to detect plant diseases from images with high accuracy, helping farmers and agritech users take proactive action.
- Leveraged deep learning to analyze leaf patterns, identify diseases, and provide actionable recommendations.
- Built a user-friendly interface for instant disease classification and feedback.

CERTIFICATIONS

- Frontend Developer(React) - **HackerRank**
- Software Engineer Intern Certificate - **HackerRank**
- SQL (Advanced) Certificate - **HackerRank**