Subharjun Bose

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EDUCATION

- **Guru Nanak Institute of Technology** *2022-Present*
  B.Tech Computer Science and Engineering CGPA : 8.87
- **Sodepur Chandrachur Vidyapith** *2021*
  12th Standard,WBCHSE, West Bengal Percentage : 83.2
- **Sodepur Chandrachur Vidyapith** *2019*
  10th Standard,WBBSE, West Bengal Percentage : 85.0

PERSONAL PROJECTS

- **Village Gentle Rural Development** *Website Link*
  - **Tools & technologies used**: Streamlit, AI/ML, Python Libraries, Google API, Google Map, Render
  - Developed an AI-powered mobile/web solution delivering real-time crop health analysis, personalized fertilizer guidance, and 24/7 weather forecasts to support rural farmers.
  - Integrated 4 key modules: crop monitoring, fertilizer advisory, rural healthcare assistance, and local economic opportunity mapping.
  - Achieved 85% accuracy in crop disease prediction using machine learning models and optimized decision-making through 3+ third-party API integrations.
- **Career Mentor** *Website Link*
  - **Tools & technologies used**: Streatlit, Python Libraries, Google APIs, SpaCy, Mistral AI, MongoDB Atlas
  - Engineered an AI-based resume analyzer that extracted 5–7 key skills and experiences per resume and delivered instant improvement suggestions using NLP.
  - Implemented a personalized job matcher that used Mistral AI and Google Jobs API to recommend 10+ real-time job listings and 3–5 alternative career paths per user.
  - Built and deployed a 100% responsive Streamlit dashboard on Render, ensuring 24/7 cloud access with zero downtime updates and sub-2s load time.
- **Portfolio Website** *Website Link*
  - **Tools & technologies used**: ReactJs, React-Router-Dom
  - Developed a responsive personal portfolio website to showcase projects and skills.
  - Implemented smooth navigation and interactive UI components to enhance user experience and professional presentation.

SKILLS AND INTERESTS

- **Languages**: Java, JavaScript(ES6+), Python(NumPy, Pandas, Matplotlib, Scikit-learn, PyTorch), SQL, HTML
- **IDE and Tools**: VS Code, Google Colab, Jupyter Notebook, Docker, Github
- **Front-end Technologies**: ReactJs, NextJs, Streamlit
- **Back-end Technologies**: NodeJs, ExpressJs, REST API
- **Database**: DBMS, SQL Server, MongoDB Atlas
- **Other Skills**: OOPs, System Design, CI/CD Pipelines, Git, API Integration
- **Operating System**: Linux, Windows
- **Course Work**: Data Structure and Algorithm, Computer Networks, Computer Architecture, Compiler Design
- **Soft Skills**: Communication, Team Work, Problem solving, Strategic Thinking
- **Area of Interests**: Software Development, Machine Learning, Artificial Intelligence

POSITIONS OF RESPONSIBILITY

- **Machine Learning Lead,** Google Developers Club, GNNIT
  - Organized and conducted ML/AI bootcamps, guiding students through real-world projects.
  - Collaborated with tech communities to host hackathons and boosting campus engagement in AI innovation.

ACHIEVEMENTS AND CERTIFICATIONS

- **Perticipated in Hack4Bengal 4.0** a 36-hours hackathon by Hack4Bengal. *Certificate Link*
- **Perticipate in InnoFusion 2.0** a 24 hours hackathon organized by the UEM, Kolkata. *Certificate Link*
- **2-week Winter Program on Prompt Engineering** by CSRBOX. *Certificate Link*
- **4-week virtual internship as a ReactJS Developer** on CODESOF. *Certificate Link*
- **Certified Generative AI Developer** by Webel-Fujisoft-Vara *Certificate Link*
- **Approximation Algorithms course** by EIT Digital on Coursera. *Certificate Link*
- **PYTHON WITH DJANGO** with a industry project on Employee Management System *Certificate Link*