

Kushaj Arora

+91 93157-10953

arorakushaj@gmail.com

LinkedIn

GitHub

Portfolio

EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Year
B.Tech CSE	Vellore Institute of Technology	Vellore, Tamil Nadu	8.71	2020-Present
Senior Secondary	DAV Public School, Gurgaon	CBSE	93.2%	2020

- **Achievements:** JEE Advance Rank: 14,832/1,50,838 & JEE Mains: 98.6 Percentile

EXPERIENCE

- **Max Life Insurance Company Limited** May 2023 - July 2023
AI Works Intern Gurgaon
 - **SamRiddhi:** Implemented a customizable, interactive and automated tool using Python for bonus calculation.
 - Collaborated across teams to gather bonus calculation requirements and understand business logic.
 - Automated the process to reduce bonus updates from 30 to 2 days, addressing a critical challenge.
- **Samsung R&D Institute** Dec 2022 - May 2023
Academic Prism Research Intern Vellore
 - **System Study** to design and implement a robust real-time multi-stream synchronization process for Video/VoLTE calls addressing network delays, jitter, and skew.
 - **Evaluated NTP and RTP-based stream synchronization methods** to determine the optimal approach for the system.
 - **Validated precise synchronization** of all data sources, enhancing the overall quality as part of the research.
- **Sumfactor Software Pvt. Ltd.** May 2022 - July 2022
Frontend Development Intern Chandigarh
 - Implemented responsive frontend development using Bootstrap 4 framework for visually appealing designs.
 - Customer centric approach to accurately translate client requirements to specific design implementation.

PROJECTS

- **PDFs Chatroom** Mar 2023 - June 2023
Tools & Technologies: Langchain, OpenAI API, Hugging Face, Streamlit GitHub
 - Developed a Streamlit project enabling PDF upload and data extraction for efficient information retrieval.
 - Utilized Langchain to process the PDFs, extracting relevant data and creating meaningful chunks.
 - Integrated OpenAI model with API key for vectorization and accurate responses to user queries.
 - Leveraged the Hugging Face instructor model with API key to test another vectorization model.
- **ResumeSmartMatch** Jan 2023 - Feb 2023
Tools & Technologies: Streamlit, NLP, Matching Algorithm, Analytics-Matplotlib GitHub
 - Developed Streamlit app for automated parsing and extraction of information using advanced NLP techniques.
 - Created a sophisticated algorithm for efficient matching and screening, benefiting recruiters and candidates.
 - Empowered recruiters with visualisation on resumes using detailed analytics, enabling informed decision-making.
- **PhishingSafeguard** Oct 2022 - Dec 2022
Tools & Technologies: DL Algorithms, Jupyter Notebook, Streamlit, Pandas, Numpy GitHub
 - Led a team of three in developing a Phishing Website Detector using Recurrent Neural Network (RNN) and Streamlit.
 - Trained the model with a comprehensive dataset, enabling accurate identification of phishing websites.
 - Achieved exceptional accuracy of 97.06% through meticulous hyperparameter tuning.
- **SecureBankEncrypt** Jan 2022 - May 2022
Tools & Technologies: Jupyter Notebook, Cryptographic Algorithms GitHub
 - Developed RSA, IDEA, and ECC algorithms to encrypt and decrypt sensitive information, ensuring robust data protection.
 - Utilized hashing techniques to securely store and validate user PINs.
 - Conducted rigorous testing and analysis to verify the effectiveness and reliability of encryption system.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C/C++, PHP
- **Tools and Frameworks:** Jupyter NoteBook, Visual Studio, Figma, Microsoft Sysinternal & Social-Engineering Toolkit
- **Operating Systems:** Windows, Linux: Ubuntu & Kali

CERTIFICATIONS

- SC:900 Microsoft Security, Compliance, and Identity Fundamentals Microsoft
- Google Analytics Certification Google
- Cybersecurity Engineering Virtual Internship Program SAP

PUBLICATIONS

- Parallelization of Face Detection using OpenMP
- Spyware Detection Using Emerging Machine Learning Techniques Under Review: BJIT/Springer

POSITIONS OF RESPONSIBILITY

- VICE-CHAIRPERSON IET-VIT, VIT VELLORE
- EVENT & SALES CORDINATOR GRAVITAS, Techno- Management Fest of VIT VELLORE